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ABSTRACT

A study was conducted to compare the academic progress of two-year college transfers, senior college transfers, and continuing sophomores and juniors (native students) at the University of Illinois at Chicago (UIC) as measured by mean grade point average (GPA), academic status, graduation, and continued enrollment through two years after transfer. Study findings, based on data on 1,445 community college transfers, 1,201 transfers from senior colleges, and 1,331 native students, included the following: (1) in 1986, 43% of the transfer students and 80% of the native students were continuing on clear or probationary status or had graduated from UIC; (2) 6% of the community college transfers and 10% of the senior college transfers graduated within two years after entering UIC; (3) the community college transfers entered UIC with a mean pre-transfer GPA of 3.87, compared to mean GPA's of 3.67 for the senior college transfers and 3.66 for the native students; (4) both two- and four-year college transfers experienced reductions in GPA after their first term at UIC, and the community college group never recovered their pre-transfer GPA; and (5) by the end of the second year after transfer, 29% of the community college transfers and 22% of the senior college transfers had been dropped or left while on probation. (AJL)

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TWO-YEAR COMPARISON
OF
TRANSFER AND NATIVE STUDENT PROGRESS
UNIVERSITY OF ILLINOIS AT CHICAGO
FALL, 1984 GROUP

by

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University Office of School and College Relations

Research Memorandum 88-5

July, 1988

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RESEARCH SUMMARY

University Office of School and College Relations

Two-Year Comparison of Transfer and Native Student Progress[1]
University of Illinois at Chicago
Fall, 1984 Group

Purpose

The purpose of this study is to compare the academic progress of two-year college transfers, four-year college transfers, and continuing sophomores and juniors (natives) at the University of Illinois at Chicago as measured by mean grade point average (GPA), academic status, graduation, and continued enrollment through two years after transfer. A secondary purpose is to compare performance after transfer with performance before transfer on the basis of mean GPA. These three groups are also compared in ten subject matter areas on the basis of mean grade point average during the 1984-85 and 1985-86 academic years.

Summary of Results

1. Forty-three percent of both the community college transfers and the four-year college transfers were continuing on clear or probationary status or had graduated two years after transfer. The retention ratio is 80 percent for the native sophomores and juniors. Six percent of the community college group and 10 percent of the four-year group had graduated two years after transfer. Two-year graduation rates for transfers have declined by one-half since 1973. Two out of five (38%) of the native sophomores and juniors had graduated.

2. Two-year transfers and four-year transfers entered with mean pre-transfer GPA's of 3.87 and 3.67, respectively. Continuing native students had compiled a UIC mean GPA of 3.64. Both two-year and four-year transfer students experienced a first term drop in mean GPA. The community college group experienced the greater "transfer shock," with a .60 drop in GPA, accompanied by a decrease of .13 for the four-year group. The community college group did not recover their pre-transfer GPA during the two years included in this study. The four-year college transfers achieved a GPA above that group's pre-transfer GPA only once, while the native group exceeded its lower division mean GPA four times.

3. By the end of the second year following transfer, 29 percent of the community college transfers and 22 percent of the four-year college transfers had been dropped or left while on probation.

Policy Considerations

Consideration should be given to the problem of the low graduation rates experienced by community college and four-year college transfers. Also, both transfer groups continued to experience retention rates substantially lower than continuing sophomores and juniors at UIC. While the selection process for transfer students at UIC should continue to provide opportunity for access to bachelor's degree programs, additional attention should be focused on improving the "success rate" for these transfers.

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[1]This summary, prepared by Ernest F. Anderson, presents the findings of Research Memorandum 88-5, which is available through the University Office of School and College Relations, 409 E. Chalmers-Room 311, Champaign, IL 61820 (217-333-2032).

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I. INTRODUCTION

The number of new transfers (including intercampus and readmits) enrolled at the University of Illinois at Chicago decreased from 2,435 of the new undergraduate students in the 1974 fall term to 2,284 of the new undergraduate students in the 1984 fall term,[1,2] while the proportion of the new undergraduate students which entered by transfer increased from 42 percent to 48 percent during the same period. In 1984, approximately 39 percent of the total fall term undergraduate enrollment had transferred to UIC,[3] and approximately 58 percent of the transfer student enrollment had last attended a community or junior college. In that same term, UIC received 411 new transfers from the seven City Colleges of Chicago; these transfers represented 32 percent of all new community college transfers to UIC that term.[4]

These data document the relative importance of transfer students to the total student enrollment and intellectual life at UIC when compared with beginning freshmen. During the ten-year period from fall, 1975 through fall, 1984, approximately 41 percent of the new undergraduates at UIC entered as transfer students, while 59 percent entered as beginning freshmen. This

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[1]University of Illinois, Enrollment Tables, First Semester or Fall Quarter, 1974-75. Champaign: University Office of School and College Relations, University of Illinois, April, 1974, p. 16.

[2]University of Illinois, Enrollment Tables, First Semester or Fall Quarter, 1984-85. Champaign: University Office of School and College Relations, University of Illinois, June, 1984, p. 20.

[3]Ernest F. Anderson, "Transfer Student Enrollment at Chicago Circle, Fall, 1982." Champaign: University Office of School and College Relations, University of Illinois, Memorandum dated Feb. 1, 1983. Table 3.

[4]Ibid., Tables 1 and 2.

trend also continued for the fall, 1985 enrollment[5] (with a 10 percent increase) when 51 percent of the new students entered as transfers at UIC. Therefore, the number and academic achievements of transfer students contribute in a substantial way to the number and quality of graduates from UIC.

Purpose

The purpose of this study is to describe and analyze the academic progress of community college transfers, senior college transfers, and continuing sophomores and juniors (natives) at the University of Illinois at Chicago, as measured by mean grade point average (GPA), academic status, and continuing enrollment and graduation (collectively termed "retention") through eight terms, or two academic years, after transfer. A secondary purpose is to compare the academic achievement of each transfer group after transfer with that group's performance before transfer on the basis of mean grade point average.

The three groups are compared in ten subject matter areas on the basis of mean grade point average during the eight terms included in this study. Differences in academic achievement and graduation rates of transfers from individual community colleges with five or more new or readmitted transfer students during the 1984 fall term are also analyzed and reported. The study analyzes the relationship between the mean change in grade point average from pre-transfer GPA to UIC GPA for each community college and the UIUC retention rates for the transfers from that institution.

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[5]University of Illinois, Enrollment Tables, First Semester or Fall Quarter, 1985-86. Champaign: University Office of School and College Relations, University of Illinois, July, 1986, p. 20.

Method

This study provides a description and analysis of data for two groups of transfer students and a comparison group of UIC students who have earned all of their college credit at UIC. Community college transfers in the study include all the new and readmitted students at UIC for the 1984 fall term who have completed eighteen or more quarter hours prior to transfer and whose institution of last attendance was a community or junior college. This group is comprised predominately of students who have transferred from public community colleges in Illinois. The population of 1,445 community college transfers entered UIC with a mean pre-transfer grade point average of 3.87 (A=5.00).

Transfers from four-year colleges and universities include all new and readmitted students to UIC for the 1984 fall term who had completed eighteen or more quarter hours before transfer and whose institution of last attendance awards a baccalaureate degree. This population of 1,201 students entered with a mean pre-transfer grade point average of 3.67 (A=5.00).

The native students (comparison group) include 1,331 fall, 1984 continuing sophomores and juniors who entered UIC as beginning freshmen and who had successfully completed at least 45 and fewer than 135 quarter hours at UIC and had not received 12 or more quarter hours of transfer credit from another institution. Continuing sophomores and juniors were selected for the control group because a majority of the transfers to UIC had completed transfer credit which placed them at one of these two class levels. The University of Illinois mean GPA earned by these students before selection into this group was 3.66 (A=5.00). Even though this group was utilized as a basic control, it should not be assumed that the three populations are matched with respect to the academic variables known to make a significant contribution to college

performance; i.e., ACT score and high school percentile rank in class. It was estimated that the native group had completed an average of 90 quarter hours, making it likely that this group will have higher graduation and retention rates after eight more terms than the transfer group.

Data for this study are based on the final Student Record Master tapes for fall, winter, spring, and summer terms for the 1984 fall term through the 1986 summer term as reported in the Community College Transfer Student Summary of Progress Report for the UIC Office of Admissions and Records. The confidential Community College Transfer Student Summary of Progress Reports list the following data for individual community college and four-year transfer students: name, UIC college, curriculum, class, pre-transfer GPA, mean and median UIC term GPA in the subject for all courses combined, and student status (number graduated, number on clear, number on probation, number dropped, and number who withdrew). These same data are presented in summary form for each of eight terms for all community college transfers, all four-year transfers, and all continuing sophomores and juniors (natives).

Each community college transfer and each four-year college transfer was tracked from term to term as a basis for verifying the academic status of each student at the end of the 1985-86 academic year. Students on clear or probationary status at the end of a term who failed to re-enroll were reported as "left on clear" or "left on probation" in the final summary so that each individual was accounted for in the two transfer groups. Continuous term-to-term academic status data were not available in printed form for individual native students; therefore, some error (less than one percent) in the net count of native students listed as "dropped" or "withdrew" is possible, as some students could have been readmitted and counted in another status category or continued as undergraduates after graduation.

Three academic status categories are utilized in the calculation of a retention ratio for each group. The retention ratio represents the proportion of each original 1984 fall cohort which has graduated or was still enrolled at the conclusion of each term. This ratio is the total number of students in a given group who have graduated or who are eligible to continue on clear or probationary status divided by the total transfers comprising the fall, 1984 group.

The study analyzes the relationship of differences between pre-transfer and post-transfer GPA (change in mean institutional GPA) and the retention ratio of students from that institution two years after transfer. The Pearson product-moment correlation coefficient was utilized to test whether or not the observed correlation was significantly different from zero. Community colleges with fewer than five transfer students were grouped in this analysis. No individual institutional analyses are performed with four-year college transfers because these transfers are not identified by institution of last attendance in this study.

Limitations

The study describes, analyzes, and compares the academic progress and success of two groups of transfer students and a selected group of continuing native students similar in class level to the transfer groups. These three groups are not assumed to be "matched" in statistical terms. There is a difference of .20 in pre-transfer GPA for the transfer groups, while the mean GPA for the UIC native students (the control group) is below those GPA's for the two transfer groups. Even though comparisons are made among transfers from various institutions and types of institutions of previous attendance, this study is not intended to serve as a basis for inference about the independent effect(s) of a specific institution or type of institution. The students who

transferred from the various community colleges and four-year colleges are not matched on such significant variables as American College Test (ACT) composite score or high school percentile rank (HSPR). Native student data are reported as group data only. This study does, however, provide insight into individual and group performance by various sub-populations of students at UIC.

Related Studies

Studies conducted by the University Office of School and College Relations have traced the academic progress of community college transfers, senior college transfers, and continuing sophomores and juniors (natives) at the University of Illinois at Chicago for a number of years. These studies suggest that both transfer groups consistently experience some "transfer shock" followed by partial recovery, and the retention and graduation rates for the transfer groups remain below those of the natives.

While both transfer groups experience "transfer shock," community college transfers are more dramatically affected than those transferring from four-year institutions. As early as the 1966 junior college transfer report, a .60 drop in first term GPA was reported.[6] The 1973 community college transfer group experienced a decrease of .47,[7] and recently the degree of "transfer shock" was also .47 for the fall, 1982 community college group.[8] Transfers

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[6]Ernest F. Anderson, "Success of Junior College Transfers at the University of Illinois at Chicago Circle, Fall, 1966." Champaign: University Office of School and College Relations, University of Illinois, Research Memorandum 71-6, July, 1971, p. 14.

[7]Ernest F. Anderson and Stanley E. Henderson, "Four-Year Comparison of Transfer and Native Student Progress at the University of Illinois at Chicago Circle, Fall, 1973 Group." Champaign: University Office of School and College Relations, University of Illinois, Research Memorandum 79-1, March, 1979, p. 12.

[8]Ernest F. Anderson, Trudy A. Campbell, and Linda K. McGee, "Two-Year Comparison of Transfer and Native Student Progress at the University of Illinois at Chicago, Fall, 1982 Group." Champaign: University Office of School and College Relations, University of Illinois, Research Memorandum 86-4, April, 1986, p. 13.

from four-year institutions, however, ranged from a drop of .14 (for the fall, 1981 group)[9] to an increase of .06 (for the fall, 1973 group),[10] while the natives went from a decrease of .09 for the 1981 group[11] to -.01 for the 1973 native group.[12]

Community college transfers generally enter with a GPA higher than either the four-year transfers or the natives and never fully recover to the level attained before transfer. For example, the fall, 1981 community college transfer group entered the University of Illinois at Chicago with a GPA of 3.82 as compared to a 3.67 for four-year transfers and 3.65 for natives.[13] At the end of the first term, the drop in GPA was .35 for community college transfers, .14 for four-year transfers, and .09 for natives. By the end of the third term after transfer, both the four-year college transfers and the natives were achieving at or near their pre-transfer or lower division GPA. The community college group, however, never recovered more than half of the first term drop for the entire eight terms of the two-year study.[14] Although the two-year college transfers never fully recovered to their pre-transfer GPA, they did gradually approach achievement levels (term GPAs) comparable to or above the four-year transfers and the natives.

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[9]Ernest F. Anderson and Trudy A. Campbell, "Two-Year Comparison of Transfer and Native Student Progress at the University of Illinois at Chicago, Fall, 1981 Group." Champaign: University Office of School and College Relations, University of Illinois, Research Memorandum 85-1, July, 1985, p. 13.

[10]Anderson and Henderson, Research Memorandum 79-1, March, 1979, p. 12.

[11]Anderson and Campbell, Research Memorandum 85-1, July, 1985, p. 13.

[12]Anderson and Henderson, Research Memorandum 79-1, p. 12.

[13]Anderson, and Campbell, Research Memorandum 85-1, p. 13.

[14]Ibid., pp. 13-17.

The two transfer groups resemble each other to a greater degree than the native group with regard to graduation and retention rates. Graduation rates two years after transfer for the two-year group ranged from 14 percent for the fall, 1973 group to 7 percent for the fall, 1982 group, and the four-year transfers' graduation rates declined from 16 percent (fall, 1973) to 8 percent (fall, 1980). The natives graduated 45, 43, and 38 percent respectively for fall 1973, 1980, and 1982.[15,16,17] These data show that graduation rates have consistently declined for the transfer groups and are approximately half what they were for the 1973 group, while the native sample has declined only slightly (5%).

Retention rates have fluctuated over the past decade, but the community college and four-year transfers consistently retain at least 30 percent fewer students than the native group. Community college transfers have had two-year retention rates ranging from .34 to .47, while four-year transfers go from .39 to .44, with the natives reporting a low of .76 and a high of .81.[18]

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[15]Anderson and Henderson, Research Memorandum 79-1, p. 29.

[16]Ernest F. Anderson, Linda M. Heiser, and Trudy A. Campbell, "Two-Year Comparison of Transfer and Native Student Progress at the University of Illinois at Chicago-University Center, Fall, 1980 Group." Champaign: University Office of School and College Relations, University of Illinois, Research Memorandum 84-1, January, 1984, p. 21.

[17]Anderson, Campbell, and McGee, Research Memorandum 86-4, p. 22.

[18]Anderson, Research Memorandum 71-6; Anderson and Henderson, Research Memorandum 79-1; Ernest F. Anderson and Linda M. Heiser, "A Comparison of Transfer and Native Student Progress at the University of Illinois at Chicago Circle, Fall, 1978 Group." Champaign: University Office of School and College Relations, University of Illinois, Research Memorandum 82-1, February, 1982, pp. 12-17; Ernest F. Anderson, Linda M. Heiser, and Beth Graue, "A Comparison of Transfer and Native Student Progress at the University of Illinois at Chicago, University Center, Fall, 1979 Group." Champaign: University Office of School of College Relations, University of Illinois, Research Memorandum 83-1, February, 1983, pp. 12-16; Anderson, Heiser, and Campbell, Research Memorandum 84-1, pp. 13-17.

Statistics compiled on beginning freshmen at Chicago provide another perspective in interpreting graduation and retention rates. The natives selected for the comparison studies may be expected to have high retention and graduation rates, since those more likely to leave the university have been eliminated before their selection for the study. The statistics on beginning freshmen are more consistent with the transfer groups than the native samples for the studies. The transfer groups have graduation rates that have declined by one-half since the 1973 group and have retention rates at least 30 percent below the natives. Beginning freshmen also have relatively low retention rates. The 1972 beginning freshmen attained a graduation rate of approximately 18 percent four years after enrolling at Chicago. The rate had dropped to 8 percent for the fall, 1979 group. Furthermore, retention rates ranged from 41 percent to 32 percent.[19] The achievement patterns of the transfers, then, may actually be parallel to those entering the University as freshmen, suggesting that achievement and retention may be affected more by variables other than whether one is a transfer or native student at the time of first entry.

Although the Chicago and Urbana-Champaign campuses enroll populations with different characteristics, it is helpful to observe trends in achievement for the Urbana-Champaign campus (UIUC). Like Chicago, UIUC transfer groups more nearly resemble each other than the natives with regard to graduation and retention rates. Two-year and four-year transfers differ in retention by 2 to 8 percent,

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[19]Ira W. Langston, unpublished five-year retention data prepared for the University Office of School and College Relations, University of Illinois, Champaign.

while they differ by as much as 22 percent from the natives.[20] Graduation rates two years after transfer are also much higher (20%-38%) for the natives.[21] Retention and graduation rates are generally higher at UIUC than those reported for Chicago. At UIUC, the fall, 1980 transfer study reported retention rates of .79 for two-year transfers, .84 for the four-year group, and .90 for the natives at the end of two years. Graduation rates were .43, .46, and .70, respectively.[22] The UIC transfer study for the same year reported retention rates of .38, .40, and .81, while graduation rates were only .07, .08, and .43.[23]

One can conclude from these studies that transfers to the University of Illinois generally do not achieve at the same level as they achieved before transfer or at the same level as the natives, but that achievement improves each term they are in attendance. State and national studies contrast with these findings, however.

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[20]Ernest F. Anderson and Natalie Riehl, University Office of School and College Relations, University of Illinois, Champaign, "Comparison of Transfer and Native Student Progress at the University of Illinois at Urbana-Champaign, Fall, 1971 Group," Research Memorandum 74-9, June, 1974; Ernest F. Anderson, "Comparison of Transfer and Native Student Progress at the University of Illinois at Urbana-Champaign, Fall, 1972 Group," Research Memorandum 75-14, December, 1975; Ernest F. Anderson and Judith DeGray, "Comparison of Transfer and Native Student Progress at the University of Illinois at Urbana-Champaign, Fall, 1973 Group," Research Memorandum 76-8, July, 1976; Ernest F. Anderson and Philip G. Beers, "Two-Year Comparison of Transfer and Native Student Progress at the University of Illinois at Urbana-Champaign, Fall, 1977 Group," Research Memorandum 80-6, September, 1980; Ernest F. Anderson and Linda M. Heiser, "Two-Year Comparison of Transfer and Native Student Progress at the University of Illinois at Urbana-Champaign, Fall, 1978 Group," Research Memorandum 82-6, July, 1982; Ernest F. Anderson, Linda M. Heiser, and Trudy A. Campbell, "Two-Year Comparison of Transfer and Native Student Progress, University of Illinois at Urbana-Champaign, Fall, 1980 Group," Research Memorandum 84-2, February, 1984.

[21]Ibid.

[22]Anderson, Heiser, and Campbell, Research Memorandum 84-2, p. 14.

[23]Anderson, Heiser, and Campbell, Research Memorandum 84-1, p. 17.

A three-year follow-up study by Lach[24] of 10,504 fall, 1973 community college transfers to twenty-four Illinois four-year colleges and universities concluded that...

> "...during the first year the grade point average of the transfer students dropped from 2.8 (B on a 4 point scale) at the community college prior to transfer to 2.65 at the senior colleges. By the end of the second year, however, the grade point average of the transfer students at the senior institutions was back to a 2.8 average...
>
> "The results of this study indicate that Illinois public community college transfer students are performing well at the senior colleges. The large majority of students were able to remain enrolled at the senior institution and the overall grade point average of the transfer students at the four-year colleges and universities was a B average. At the end of three years, almost one-half of the students have completed the baccalaureate degree and another one-fourth of the students were still enrolled pursuing the four-year degree. Since a large number of students transferred prior to completing the associate degree at the community college and because many students are enrolled at the four-year colleges on a part-time basis, many more of these students are expected to complete the baccalaureate degree in another year."

These results reported in Lach's summary statement reflect the same findings as the 1965 national study by Knoell. The community college pre-transfer GPA (1965) was 2.57, followed by a 2.42 the first year, and a 2.68 the second year.[25]

Wermers,[26] in a comparison of transfer and native student achievement utilizing analysis of covariance to equate the groups, reported...

> "...that junior college transfer students rank lower than four-year transfer students and natives on ACT, HSPR, and SES. Junior college transfer students also scored lower than the four-year groups on

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[24]Ivan J. Lach, "Summary of the Statewide Follow-up Study of Community College Transfer Students in Illinois." Springfield: Illinois Community College Board, September 15, 1978, p. 1.

[25]Dorothy M. Knoell and Leland L. Medsker, From Junior to Senior College: A National Study of the Transfer Student. Washington, D.C.: American Council on Education, 1965.

[26]Donald J. Wermers, "Achievement by Junior College Transfer, Four-Year College Transfer, and Native Juniors as Measured by the CLEP General Examinations." Champaign: University Office of School and College Relations, University of Illinois, Research Memorandum 72-5, March, 1972, p. 1.

standard scores achieved on the CLEP General Examination, the common criteria of achievement. Differences between natives and four-year transfers on ACT, HSPR, SES, and CLEP scores were not as clear.

"Differences on mean CLEP scores among the groups diminished when the control variables were applied in the analysis of covariance technique... . The results of this study seem to indicate that, generally, students who completed lower division requirements in junior colleges, and then transferred to the University of Illinois progressed academically during the first two years of college at a pace equivalent to students who completed lower division requirements in four-year institutions."
[Note: ACT (American College Test); HSPR (High School Percentile Rank); SES (Socioeconomic Status); CLEP (College Level Examination Program).]

In summary, statewide and national reports suggest that community college transfers to senior colleges and universities achieve at approximately the same level after transfer as they did prior to transfer. In contrast, the studies of transfer students to the two campuses of the University of Illinois provide evidence which fails to support these findings insofar as these two campuses are concerned. This study of the fall, 1984 transfer group at Chicago provides additional data which may help explain the differing conclusions concerning achievement levels of transfer students.

II. FINDINGS

First Term Achievement

Table 1 presents a summary of transfer and native student progress for the eight-term period from fall, 1984 through summer, 1986. A detailed presentation and analysis of the 1984 fall term is presented in Appendix A for each community college from which five or more students transferred. Individual institutions are identified by confidential code.

The community college group of 1,445 transfers entered in the fall of 1984 with a pre-transfer grade point average of 3.87 (A=5.00). This group achieved a 3.27 mean first term GPA at UIC, which was .60 lower than this group's mean

TABLE 1

Summary of Transfer and Native Student Progress

University of Illinois at Chicago

Fall, 1984 Group

Term (1)	Two-Year Colleges (2)			Four-Year Colleges (3)			Continuing Sophomores & Juniors (4)		
Fall, 1984									
No. of Transfers	1445		100%	1201		100%	1331		100%
Mean Transfer GPA		3.87			3.67			3.66	
Mean 1st Term GPA		3.27			3.54			3.58	
Change in Mean GPA		-0.60			-0.13			-0.08	
Status:									
Graduated	6		0%*	8		1%	0		0%*
Clear	851		59%	772		64%	1033		78%
Probation	382		26%	234		19%	230		17%
Dropped	119		8%	79		7%	34		3%
Withdrew	87		6%	108		9%	34		3%
Retention Ratio**	1239	0.86		1014	0.84		1263	0.95	
Winter, 1985									
No. Re-enrolled	1102		76%	870		72%	1237		93%
Mean Transfer GPA		3.90			3.68			3.68	
Mean 2nd Term GPA		3.35			3.59			3.66	
Change in Mean GPA		-0.55			-0.09			-0.02	
Increase Over 1st Term		0.08			0.05			0.08	
Status:									
Graduated	0		0%	6		1%	2		0%*
Clear	654		59%	610		70%	970		78%
Probation	305		28%	180		21%	223		18%
Dropped	78		7%	33		4%	13		1%
Withdrew	65		6%	41		5%	29		2%
Retention Ratio**	965	0.67		804	0.67		1195	0.90	

*Less than 1%.

**Retention Ratio: The proportion of Fall, 1984 transfers which has graduated or completed the term on clear or probationary status.

TABLE 1 (Cont.)

Summary of Transfer and Native Student Progress

University of Illinois at Chicago

Fall, 1984 Group

Term (1)	Two-Year Colleges (2)			Four-Year Colleges (3)			Continuing Sophomores & Juniors (4)		
Spring, 1985									
No. of Transfers	938		65%	748		62%	1203		90%
Mean Transfer GPA		3.83			3.69			3.70	
Mean 3rd Term GPA		3.44			3.57			3.75	
Change in Mean GPA		-0.39			-0.12			0.05	
Increase Over 2nd Term		0.09			-0.02			0.09	
Status:									
Graduated	1		0%*	17		2%	44		4%
Clear	606		65%	505		68%	964		80%
Probation	232		25%	154		21%	151		13%
Dropped	69		7%	33		4%	20		2%
Withdrew	30		3%	39		5%	24		2%
Retention Ratio**	845	0.58		690	0.57		1161	0.87	
Summer, 1985									
No. Re-enrolled	281		19%	237		20%	470		35%
Mean Transfer GPA		4.03			3.71			3.70	
Mean 4th Term GPA		3.58			3.57			3.69	
Change in Mean GPA		-0.45			-0.14			-0.01	
Increase Over 3rd Term		0.14			0.00			-0.06	
Status:									
Graduated	1		0%	9		4%	18		4%
Clear	184		65%	159		67%	359		76%
Probation	70		25%	42		18%	61		13%
Dropped	9		3%	7		3%	4		1%*
Withdrew	17		6%	20		8%	28		6%
Retention Ratio**	262	0.18		241	0.20		484	0.36	

*Less than 1%.

**Retention Ratio: The proportion of Fall, 1984 transfers which has graduated or completed the term on clear or probationary status.

TABLE 1 (Cont.)

Summary of Transfer and Native Student Progress

University of Illinois at Chicago

Fall, 1984 Group

Term (1)	Two-Year Colleges (2)			Four-Year Colleges (3)			Continuing Sophomores & Juniors (4)		
Fall, 1985									
No. of Transfers	746		52%	607		51%	1062		80%
Mean Transfer GPA		3.97			3.69			3.70	
Mean 5th Term GPA		3.45			3.62			3.72	
Change in Mean GPA		-0.52			-0.07			0.02	
Increase Over 4th Term		-0.13			0.05			0.03	
Status:									
Graduated	3		0%	10		2%	86		8%
Clear	496		66%	443		73%	803		76%
Probation	178		24%	107		18%	136		13%
Dropped	55		7%	26		4%	13		1%
Withdrew	14		2%	21		3%	24		2%
Retention Ratio**	685	0.47		600	0.50		1089	0.82	
Winter, 1986									
No. Re-enrolled	664		46%	523		44%	934		70%
Mean Transfer GPA		4.00			3.67			3.70	
Mean 6th Term GPA		3.58			3.61			3.76	
Change in Mean GPA		-0.42			-0.06			0.06	
Increase Over 5th Term		0.13			-0.01			0.04	
Status:									
Graduated	9		1%	18		3%	99		11%
Clear	488		73%	395		76%	688		74%
Probation	124		19%	81		15%	125		13%
Dropped	25		4%	19		4%	9		1%
Withdrew	18		3%	10		2%	13		1%
Retention Ratio**	632	0.44		544	0.45		1062	0.80	

*Less than 1%.

**Retention Ratio: The proportion of Fall, 1984 transfers which has graduated or completed the term on clear or probationary status.

TABLE 1 (Cont.)

Summary of Transfer and Native Student Progress

University of Illinois at Chicago

Fall, 1984 Group

Term (1)	Two-Year Colleges (2)			Four-Year Colleges (3)			Continuing Sophomores & Juniors (4)		
Spring, 1986									
No. of Transfers	617		43%	476		40%	830		62%
Mean Transfer GPA		4.00			3.68			3.70	
Mean 7th Term GPA		3.64			3.77			3.79	
Change in Mean GPA		-0.36			0.09			0.09	
Increase Over 6th Term		0.06			0.16			0.03	
Status:									
Graduated	66		11%	52		11%	262		32%
Clear	416		67%	332		70%	451		54%
Probation	102		17%	62		13%	101		12%
Dropped	22		4%	13		3%	9		1%
Withdrew	11		2%	17		4%	7		1%
Retention Ratio**	604	0.42		514	0.43		1063	0.80	
Summer, 1986									
No. Re-enrolled	217		15%	140		12%	221		17%
Mean Transfer GPA		3.99			3.65			3.51	
Mean 8th Term GPA		NA			NA			NA	
Change in Mean GPA		NA			NA			NA	
Increase Over 7th Term		NA			NA			NA	
Status:									
Graduated	0		0%	0		0%	0		0%
Clear	205		94%	133		95%	207		94%
Probation	0		0%	0		0%	0		0%
Dropped	0		0%	0		0%	0		0%
Withdrew	12		6%	7		5%	14		6%
Retention Ratio**	291	0.20		253	0.21		718	0.54	

**Retention Ratio: The proportion of Fall, 1984 transfers which has graduated or completed the term on clear or probationary status.

TABLE 1 (Cont.)

Summary of Transfer and Native Student Progress

University of Illinois at Chicago

Fall, 1984 Group

Term (1)	Two-Year Colleges (2)		Four-Year Colleges (3)		Continuing Sophomores & Juniors (4)	
Summary						
Graduated	86	6%	118	10%	511	38%
Clear	469	32%	354	29%	451 **	34%
Probation	62	4%	46	4%	101 **	8%
Dropped	273	19%	143	12%	NA	
Withdrew	204	14%	167	14%	NA	
Left on Clear	207	14%	255	21%	NA	20%
Left on Probation	144	10%	118	10%	NA	
Total	1445	100%	1201	100%	1331	100%
Number Retained	617		518		1063	
Retention Ratio *	0.43 ***		0.43		0.80	

* Retention Ratio: The proportion of Fall, 1984 transfers which has graduated or completed the term on clear or probationary status.

** Estimated figures based on term seven.

*** The percentages of Graduated, Clear and Probation do not add up to 43 due to rounding

NA-Cumulative figures not available. Dropped, withdrew, left on clear, and left on probation figures total 20% of Fall, 1984 natives.

pre-transfer GPA. This drop in mean first term GPA is comparable to previous community college transfer groups (-.59 for fall, 1979; -.52 for fall, 1980; -.49 for fall, 1976, and .-48 for fall, 1978; -.35 for fall 1981; and -.47 for fall, 1982).[27]

A total of 1,201 four-year college transfers entered UIC in the fall of 1984 with a mean pre-transfer grade point average of 3.67. This group achieved a mean first term GPA of 3.54, a decrease of .13 from the group's mean pre-transfer GPA.

The mean pre-transfer GPA's and the mean UIC GPA's for the three study groups are illustrated in Figure I for each of the seven terms. Comparison of the three groups in Figure I shows that community college transfers entered with a mean pre-transfer GPA somewhat higher than the continuing sophomores and juniors, and the four-year college transfers; the community college transfers' first term UIC performance, however, was approximately .60 lower than their previous achievement, .17 lower than the four-year college transfers' first term UIC GPA, and .31 lower than the natives' fall, 1984 UIC grade point average.

Further analysis of variation in group performance for the fall, 1984 term shows that there was a greater proportion of two-year transfers and four-year transfers placed on probation (26% and 19%, respectively) than the natives (17%), and while the two-year and four-year transfers had a greater portion of students dropped (8 and 7 percent, respectively), at the conclusion of the term

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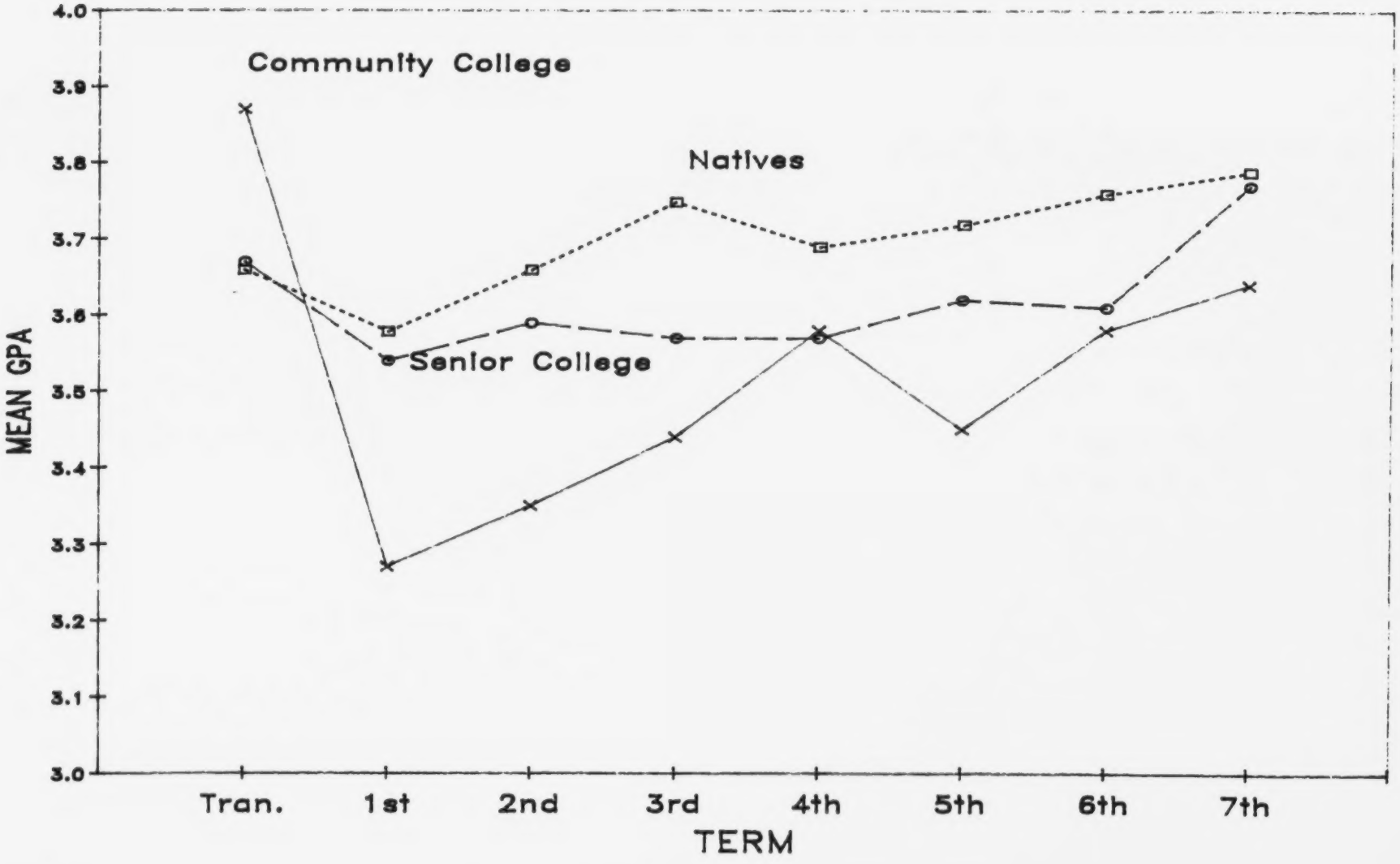
[27]Ernest F. Anderson and Stanley E. Henderson, "Comparison of Transfer and Native Student Progress at the University of Illinois at Chicago Circle, Fall, 1976 Group." Champaign: University Office of School and College Relations, University of Illinois, Research Memorandum 78-3, March, 1978, p. 8; Anderson and Heiser, Research Memorandum 82-1, p. 13; Anderson, Research Memorandum 71-6, p. 14; Anderson, Heiser, and Graue, Research Memorandum 83-1, p. 12; Anderson, Heiser, and Campbell, Research Memorandum 84-1, p. 13; Anderson and Campbell, Research Memorandum 85-1, p. 13.; Anderson, Campbell, and McGee, Research Memorandum 86-4, p. 13.

FIGURE I

Transfer and Native GPA's by Group & Term
UIC — Fall 1984 Group



than was the case for the native group (3%). Table 1 also reports that 34 percent of the community college group were either on probation or dropped, and the comparable figures for the four-year college transfers and the natives were 26 and 20 percent, respectively.

Another way of comparing the three groups of students is by observing their retention. The retention ratio is calculated by summing the number of community college transfers who have graduated and those who remain enrolled, either on clear or probation, at the end of a term, then dividing that sum by the total number of community college transfers in the original 1984 fall group. This analysis was used for the two transfer groups and the continuing sophomores and juniors. For example, the retention ratio (RR) for the community college group after the 1984 fall term is calculated as shown below:

$$\text{Retention Ratio: } (RR) = \frac{\text{Graduates (G) + Clear (C) + Probation (P)}}{\text{Fall, 1984 Population (N)}}$$

$$RR_1 = \frac{G_1 + C_1 + P_1}{N_1}$$

$$RR_1 = \frac{6 + 851 + 382}{1445}$$

$$RR_1 = \frac{1239}{1445}$$

$$RR_1 = .86$$

Retention rates for fall term, 1984 were .86 for the community college group, .84 for the four-year college group, and .95 for the continuing sophomores and juniors (natives). A comparison of fall, 1984 retention ratios with winter, 1985 re-enrollment percentages reveals that even though 86 percent of the community college group were eligible to return for the winter term,

only 76 percent actually re-enrolled, which was an additional loss of 10 percent of the original community college population. The four-year college group lost 12 percent of the group between the fall and winter terms due to failure to re-enroll. Two percent of the natives who were eligible to re-enroll failed to do so.

As demonstrated by previous studies, and substantiated by data for the 1984 fall term, a substantial drop in first term GPA varying from approximately .30 to .60 occurs consistently for community college transfers at UIC. An analysis of factors influencing this drop is not readily available, although the phenomenon (which has been termed "transfer shock") may be the result of difficulties in adjustment to the university environment. As in the past, a difference between achievement of community college transfers and the other two groups is greater during the first term than in any of the other terms reported in the studies. The fall, 1984 community college transfers, however, experienced a marked difference in achievement from the other two groups for the first four terms after transfer. By the end of the seventh term, all three groups were achieving at approximately the same level, but 57 percent of the transfers and 30 percent of the natives had withdrawn, left, or been dropped from the University.

It is clear in Figure I that the senior college transfers entered the university with transfer GPA's slightly higher than the natives and achieved UIC GPA's slightly lower than the natives for six of the seven terms shown. The cumulative numbers and ratio of graduates, along with the retention ratios, are presented in Table 2 for each group in each of the eight terms and are illustrated in Figures IIA, IIB, and IIC. The information presented in Table 2 and illustrated in these three figures demonstrate that the natives graduate or continue on clear or probationary status at a higher rate than the transfers.

TABLE 2

Number of Graduates, Cumulative Graduation Ratio, and Cumulative Retention Ratio by Term and Type of Institution of Last Attendance

University of Illinois at Chicago

Fall, 1984 Group

	Two-Year College Transfers				Four-Year College Transfers				Continuing Soph. & Jrs.			
			Cumulative				Cumulative				Cumulative	
Term (1)	No. (2)	Cum. No. (3)	Grad. Ratio (4)	Reten. Ratio (5)	No. (6)	Cum. No. (7)	Grad. Ratio (8)	Reten. Ratio (9)	No. (10)	Cum. No. (11)	Grad. Ratio (12)	Reten. Ratio (13)
1	6	6	0.00*	0.86	8	8	0.01	0.84	0	0	0.00*	0.95
2	0	6	0.00*	0.67	6	14	0.01	0.67	2	2	0.00*	0.90
3	1	7	0.00*	0.58	17	31	0.03	0.57	44	46	0.03	0.87
4	1	8	0.00*	0.18**	9	40	0.03	0.20**	18	64	0.05	0.36**
5	3	11	0.00*	0.47	10	50	0.04	0.50	86	150	0.11	0.82
6	9	20	0.01	0.44	18	68	0.06	0.45	99	249	0.19	0.80
7	68	88	0.06	0.42	52	120	0.10	0.43	262	511	0.38	0.80
8	0	88	0.06	0.20**	0	120	0.10	0.21**	0	511	0.38	0.54**
Total Transfers	1445				1201				1331			

*Less than 1%.
**Summer Session.

FIGURE IIA

Community College Retention & Graduation Ratios by Term — UIC Fall 1984 Group

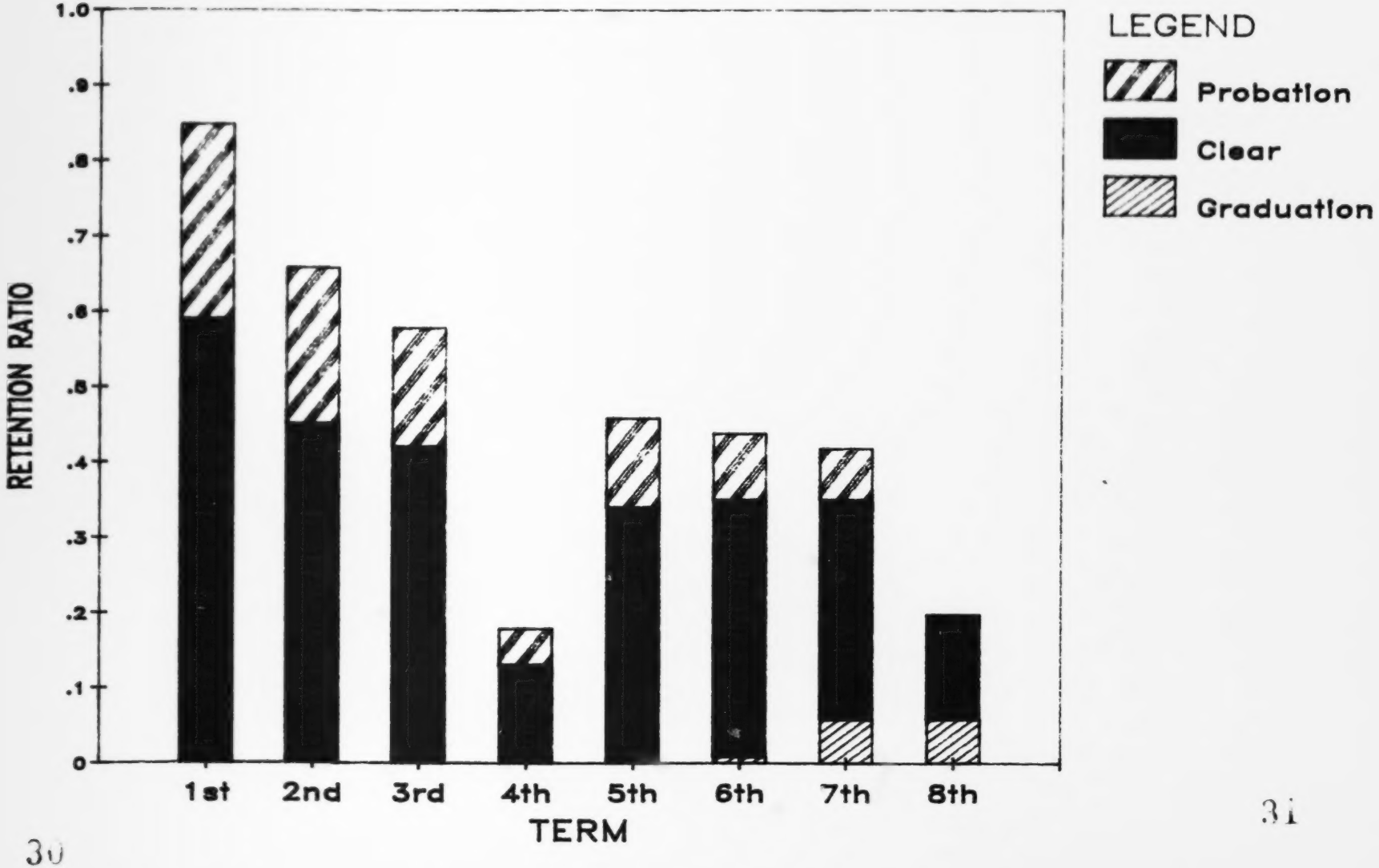


FIGURE IIB

Senior College Retention & Graduation Ratios by Term — UIC Fall 1984 Group

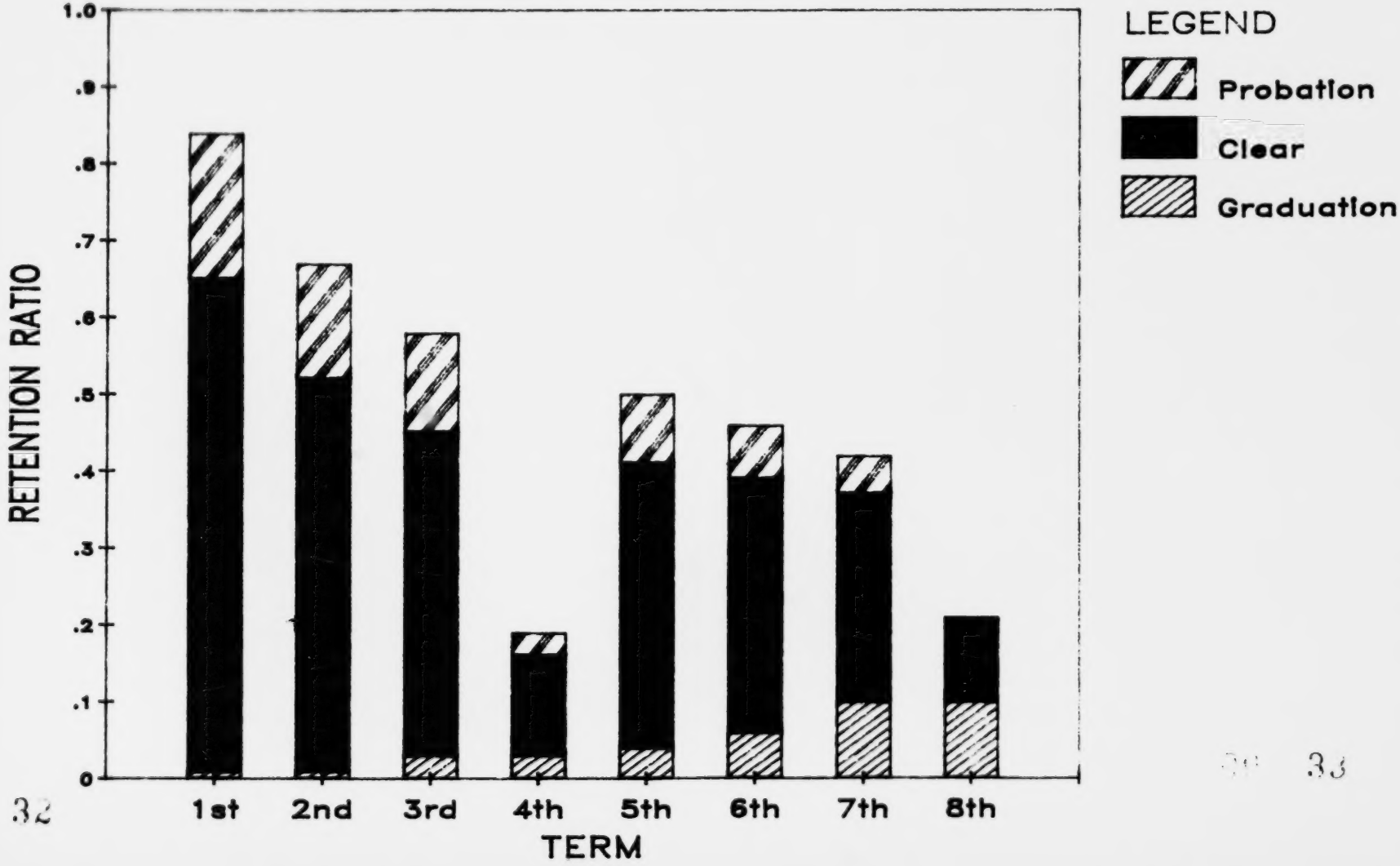
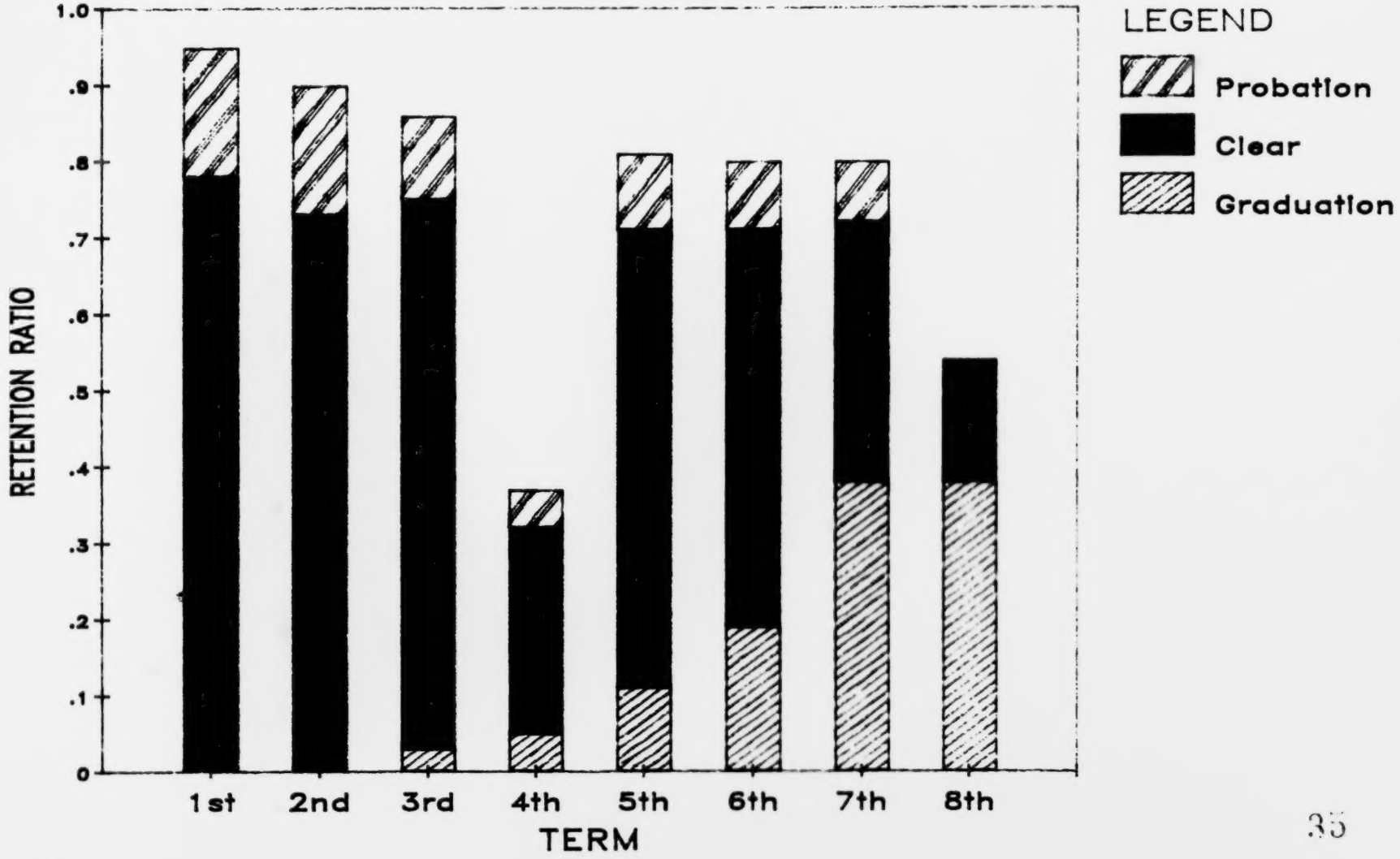


FIGURE IIC

Native Student Retention & Graduation Ratios by Term — UIC Fall 1984 Group



Achievement One Year After Transfer

Three terms after transfer, the 938 community college transfers who re-enrolled achieved a mean GPA of 3.44, which was a decrease (-.39) when compared with the group's mean pre-transfer GPA. Less than 1 percent of the original (1445) community college group had graduated. Of those transfers re-enrolled for the third term, 65 percent and 25 percent, respectively, were continuing on clear or probationary status; 7 percent dropped, and 3 percent officially withdrew and never returned. A total of 845 community college transfers had either graduated or completed the 1985 spring term on clear or probationary status, which resulted in a retention ratio of .58 for the group.

The four-year college group consisted of 748 students enrolled for the third term. This group achieved a mean term GPA of 3.57, which was .02 less than their mean second term GPA and was .12 less than their pre-transfer GPA. Of the original (1201) four-year college group, 2 percent had graduated. For those (748) re-enrolled the third term, 68 percent were on clear status, and 21 percent were on probationary status; 4 percent dropped, and 5 percent withdrew.

The native sophomores and juniors who re-enrolled for the third term (1203 students) achieved a mean term GPA of 3.75, which was an increase of .09 when compared to the group's mean second term GPA, and was .05 less than the group's UIC GPA before fall, 1984. At the end of three terms, 4 percent of the original (1331) group of natives had graduated. Of those re-enrolled for the third term (1203), 93 percent were on continuing status (clear or probation), 2 percent dropped, and 2 percent withdrew; the numbers of continuing sophomores and juniors who chose to leave between terms were not available. The retention ratio of the continuing natives was .87 (see Appendix C).

This study demonstrates that community college transfers continue to experience a substantial drop in GPA during their first term after transfer, and the current drop is greater than it has been since 1979 (see Table 6). Historically, partial recovery usually occurred over the next two terms.

The fall, 1984 community college group never achieved a GPA at UIC equal to the group's transfer GPA. Figure I illustrates that the senior college and native groups begin with similar GPA's at UIC and that only the natives and four-year transfers continue to achieve at a GPA level similar to the one they had attained during their previous college work. This is in contrast to the two Fall, 1984 transfer groups studied at Urbana-Champaign. Both these groups have a major drop in GPA during the first term and recover approximately one-third to one-half of the drop in GPA by the end of the spring term of the second year after transfer. However, as with the Community College transfers, the four-year college group never achieved a GPA equal to their transfer GPA.

Data from previous studies supported the hypothesis that some of the "transfer shock" (first term drop in GPA), followed by a partial recovery during the second and third terms by the continuing community college group, may be explained by the absence of the "leavers" who were dropped or left on probation during the first term. The fall, 1984 community college group experienced "transfer shock" at the same level as previous groups, but, excluding summer session, did not show a substantial recovery until the seventh term at UIC. As in previous years, four-year college transfers were affected by "transfer shock," but to a lesser degree as noted by comparing pre-transfer GPA with UIC first term GPA and by noting gains in mean GPA the second and third term after transfer.

Fifth Term Achievement

Fifty-two percent of the community college group and 51 percent of the four-year college group re-enrolled for the 1985 fall term, while 80 percent of

the native group re-enrolled for the fall term. The community college transfer group achieved a UIC fall term GPA of 3.45, which is .52 less than that group achieved before transfer. The four-year college transfer group (-.07) also achieved a slightly lower GPA than their group achieved before transfer. The natives (.02) achieved GPA's slightly higher than their lower division work. The enrolled community college transfer group's GPA (3.45) continued to be lower than the four-year transfer group's (3.62) and natives' GPAs (3.72).

The retention ratio for the community college transfers (.47) was slightly lower than the four-year college transfers (.50) at the end of the fifth term, and the natives had a higher retention ratio of .82. Of those students who re-enrolled the second year (Fall, 1985), approximately 7 percent in the community college transfer group were dropped by the end of the fall term, while 4 percent of the four-year college transfer and 1 percent of the natives were dropped. The data for the individual community colleges with five or more transfers are presented in Appendix D for the 1985 fall term. These data show that the retention ratios range from a low of .11 to a high of 1.00 for individual colleges.

Achievement and Status Two Years After Transfer

This study demonstrates that the 1,445 community and junior college transfers originally entered with 3.87 transfer GPA and experienced a substantial drop (.60) in GPA during the first term after transfer, and the remaining students gradually recovered to .36 below that group's (n = 617) pre-transfer GPA (4.00), but never fully recovered (Figure III). Both the four-year college transfers and the natives experienced a small drop in their GPA's during the first term (.13 and .08), but both groups were able to recover. By the end of the spring, 1986 term, the four-year group currently enrolled increased its GPA by .09 over that group's pre-transfer GPA of 3.68

FIGURE III

Community College Transfer & UIC GPA's by Term
UIC – Fall 1984 Group

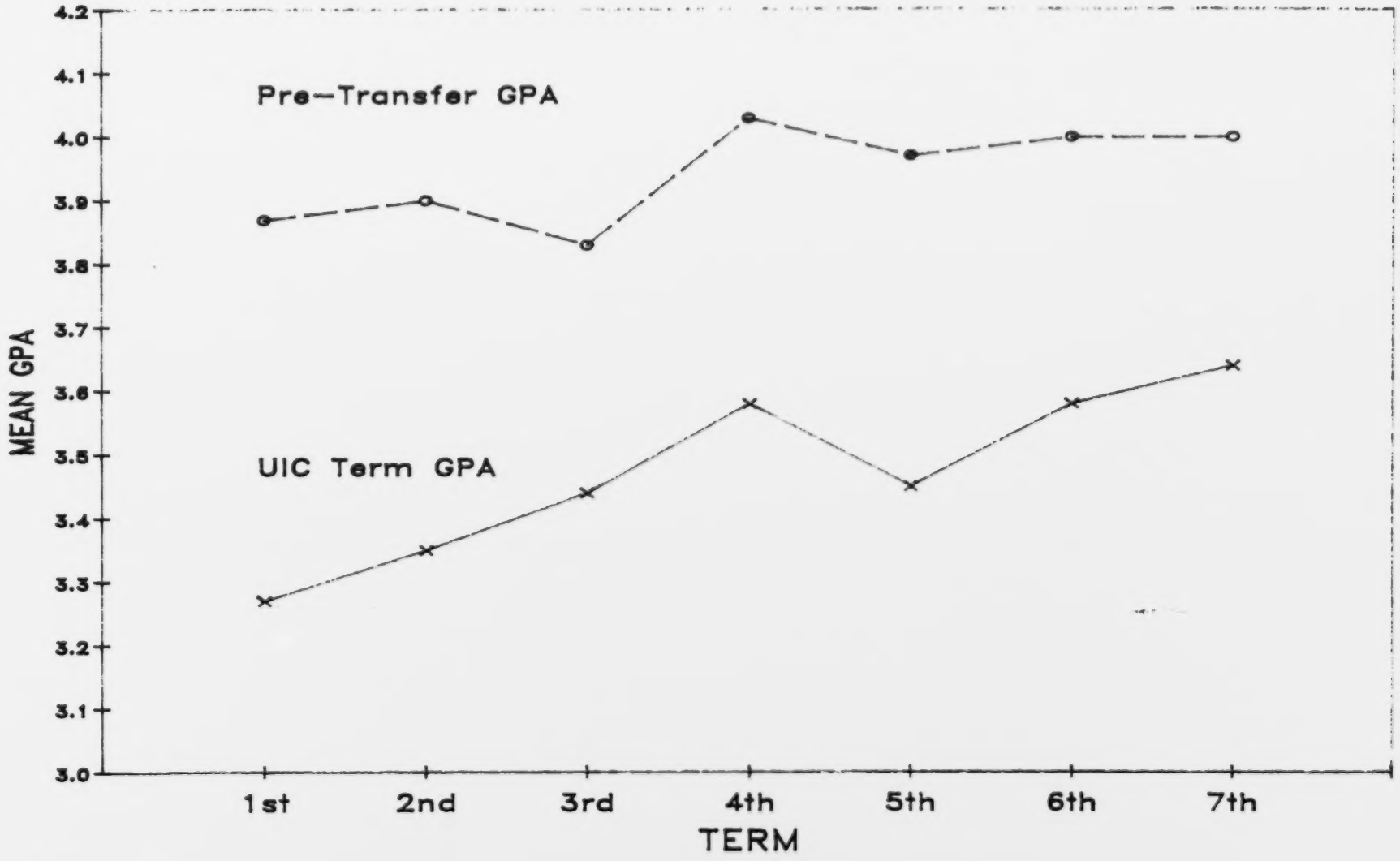


FIGURE IV

Senior College Transfer & UIC GPA's by Term
UIC – Fall 1984 Group

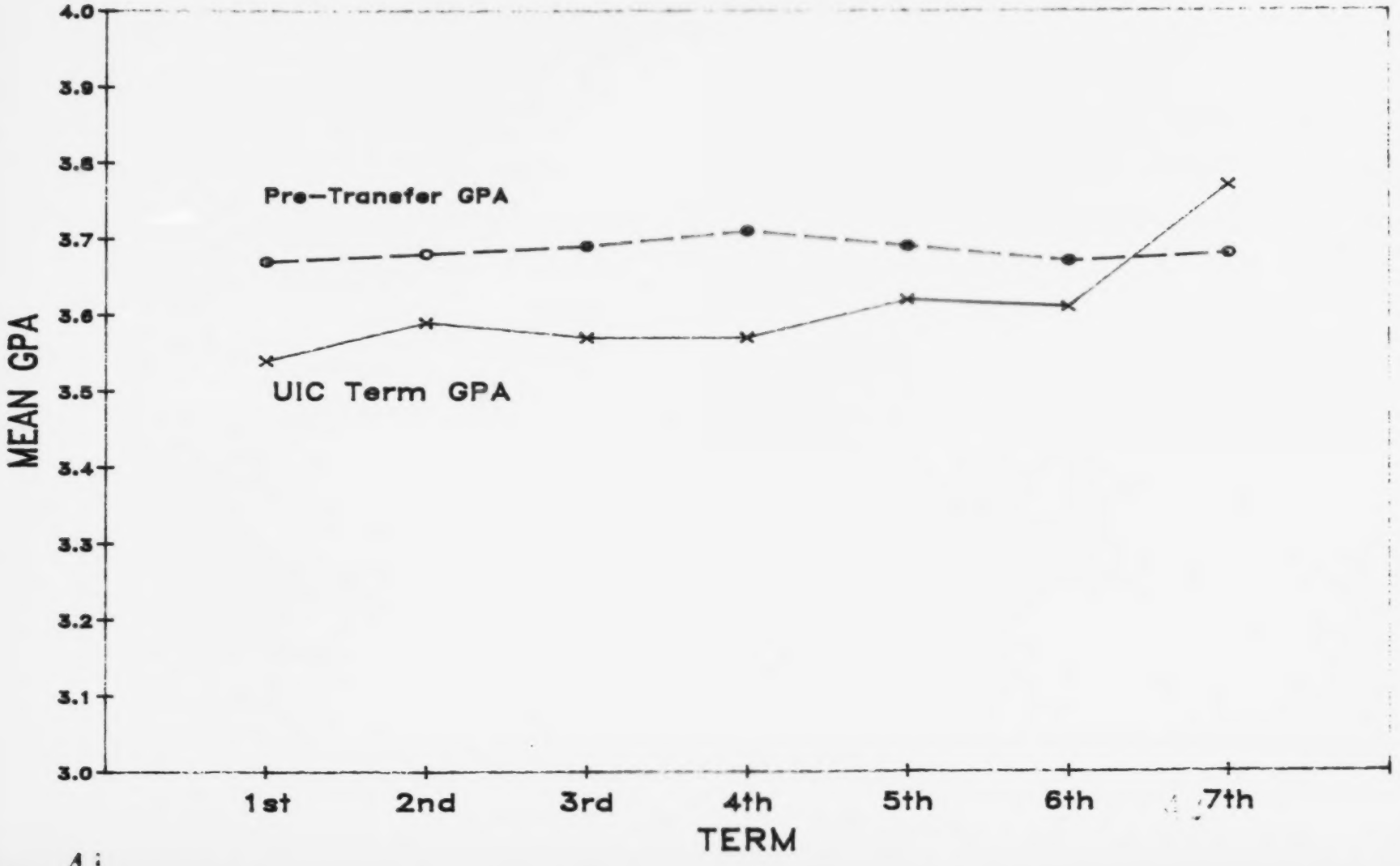
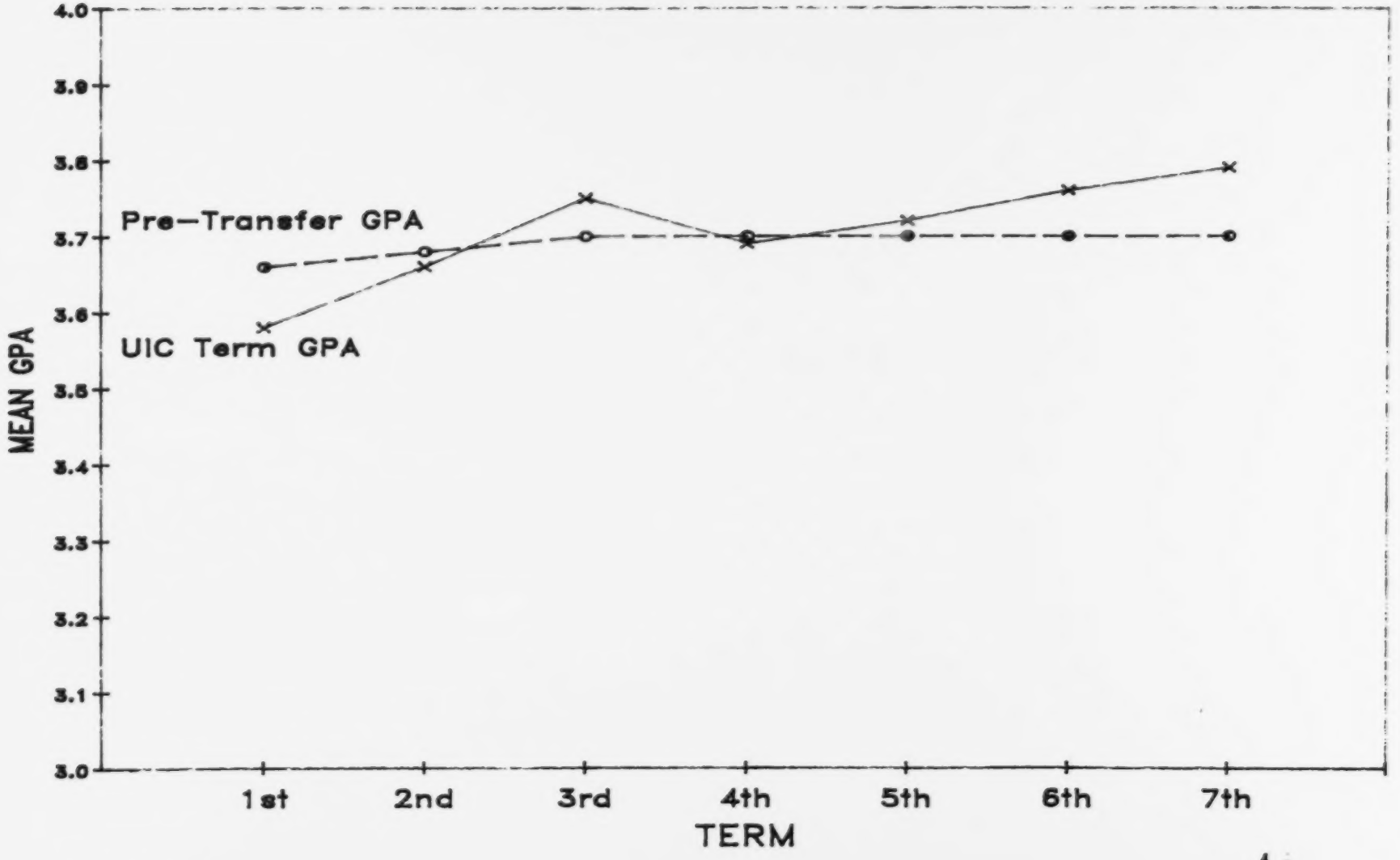


FIGURE V

UIC Native Student GPA's by Term
UIC – Fall 1984 Group



(Figure IV) and the natives increased their GPA by .09 over the lower division GPA of 3.70 (Figure V).

Approximately two out of five (38%) of the natives, 10 percent of the four-year college transfers, and 6 percent of the community college transfers graduated during the two-year period covered by this study. While it is not surprising that two-fifths of the natives who have successfully completed 45 to 134 quarter hours (sophomores and juniors) graduated during the two years of study, it is discouraging that only 10 percent of the four-year college transfers graduated and only 6 percent of the community college transfers graduated during this period.

The proportion of transfer students who left UIC because they were either dropped or were on probation obviously contributed significantly to this low graduation and retention rate. Approximately one out of five community college transfers was dropped for academic reasons and never re-enrolled, and an additional 10 percent left UIC on probation and never re-enrolled. This means that more than one out of four (29%) community college transfers left UIC and did not return following academic difficulty.

A smaller proportion of the four-year college transfers were dropped (12%) and never re-enrolled, and a similar proportion of this group left on probation (10%) for a total of 22 percent who left UIC and did not return following academic difficulty. Comparable figures are not directly available for the natives, but a combination of those who dropped, withdrew, left on probation, and left on clear totaled only 20 percent, while both the community college transfers and the four-year college transfers in these categories totaled 57 percent. Although the proportion of the natives leaving on clear is not available, it is possible to conclude that slightly less than three times as many community college transfer students and four-year college transfers, in

comparison with native sophomores and juniors, leave because of academic difficulty.

Comparison by Subject Area

Data on transfer and native student grade point averages at UIC in each of ten subject areas for the eight terms included in this study are presented in Table 3. The community college group, the four-year group, and the natives were each assigned a performance rank in each of the ten subject areas based upon the mean UIC GPA for each term.

This rank-ordering procedure revealed that community college transfers ranked first, or highest, in only one of the ten subject areas (Engineering) for the 1984 fall term. The four-year group more closely resembled that of the community college group with three subject areas ranked first while the continuing sophomores and juniors achieved the highest GPA in five of the ten subject areas. The continuing sophomores and juniors ranked first in five of the subject areas (biological sciences, English and humanities, social sciences, architecture and art, and education), and ranked first in the overall course average with a GPA of 3.58. Four-year transfers and the two-year college transfers ranked second and third with GPA's of 3.54 and 3.27, respectively. The continuing sophomores and juniors and four-year transfers were tied for first in foreign languages.

During the first fall term, community college transfers encountered more difficulty in the subject areas of biological sciences (GPA = 3.16), math (GPA = 3.13), and business administration (GPA = 3.12). Performance in each of these subject areas was below the community college group's average for all courses (3.27). Community college transfers were well above their overall average for all courses in the subject areas of English and humanities (GPA = 3.60), architecture and art (GPA = 3.63), and education (GPA = 4.24).

TABLE 3
Comparison of Transfer and Native Student Academic Achievement by Subject Area
University of Illinois at Chicago
Fall, 1984 Group

Subject Area (1)	Two-Year Transfers Mean GPA (2)	Two-Year Transfers Rank (3)	Four-Year Transfers Mean GPA (4)	Four-Year Transfers Rank (5)	Continuing Sophomores & Juniors Mean GPA (6)	Continuing Sophomores & Juniors Rank (7)
Fall, 1984 (Term 1)						
Biological Sciences	3.16	3	3.42	2	3.48	1
Business Admin.	3.12	3	3.47	1	3.43	2
English & Humanities	3.60	3	3.78	2	4.05	1
Foreign Language	3.27	3	3.76	1.5	3.76	1.5
Math	3.13	3	3.28	1	3.26	2
Physical Sciences	3.25	3	3.50	1	3.44	2
Social Sciences	3.38	3	3.67	2	3.85	1
Engineering	3.56	1	3.36	3	3.50	2
Architecture & Art	3.63	3	3.80	2	3.83	1
Education	4.24	3	4.27	2	4.39	1
All Courses	3.27	3	3.54	2	3.58	1
Winter, 1985 (Term 2)						
Biological Sciences	3.30	3	3.39	2	3.59	1
Business Admin.	3.30	3	3.43	2	3.59	1
English & Humanities	3.74	2	3.65	3	4.10	1
Foreign Language	3.39	3	3.72	2	3.74	1
Math	3.13	3	3.27	2	3.28	1
Physical Sciences	3.40	3	3.47	1	3.43	2
Social Sciences	3.47	3	3.69	2	3.93	1
Engineering	3.38	3	3.75	2	4.30	1
Architecture & Art	3.45	3	3.94	1	3.80	2
Education	4.33	1	4.32	2	4.28	3
All Courses	3.35	3	3.59	2	3.66	1
Spring, 1985 (Term 3)						
Biological Sciences	3.47	3	3.84	1	3.54	2
Business Admin.	3.52	3	3.63	2	3.75	1
English & Humanities	4.02	3	4.03	2	4.14	1
Foreign Language	3.53	3	3.72	2	3.74	1
Math	3.06	3	3.37	1	3.33	2
Physical Sciences	3.56	2	3.61	1	3.51	3
Social Sciences	3.86	3	3.96	1	3.94	2
Engineering	4.75	NA	NA	NA	3.75	NA
Architecture & Art	3.70	3	3.94	2	4.04	1
Education	4.41	2	4.44	1	4.37	3
All Courses	3.64	3	3.77	2	3.79	1

TABLE 3 (Cont.)
Comparison of Transfer and Native Student Academic Achievement by Subject Area
University of Illinois at Chicago
Fall, 1984 Group

Subject Area (1)	Two-Year Transfers Mean GPA (2)	Two-Year Transfers Rank (3)	Four-Year Transfers Mean GPA (4)	Four-Year Transfers Rank (5)	Continuing Sophomores & Juniors Mean GPA (6)	Continuing Sophomores & Juniors Rank (7)
Summer, 1985 (Term 4)						
Biological Sciences	3.76	1	3.27	3	3.43	2
Business Admin.	3.31	3	3.55	2	3.60	1
English & Humanities	3.89	2	3.83	3	4.10	1
Foreign Language	3.83	2	3.85	1	3.44	3
Math	3.16	3	3.20	2	3.36	1
Physical Sciences	3.79	1	3.10	3	3.38	2
Social Sciences	3.73	3	3.81	2	3.96	1
Engineering	4.00	2.5	4.00	2.5	4.50	1
Architecture & Art	4.27	1	3.83	2	3.61	3
Education	4.24	2	4.15	3	4.35	1
All Courses	3.58	2	3.57	3	3.69	1
Fall, 1985 (Term 5)						
Biological Sciences	3.44	3	3.65	1	3.54	2
Business Admin.	3.45	3	3.56	2	3.71	1
English & Humanities	3.94	3	4.21	1	4.08	2
Foreign Language	3.40	3	3.76	1	3.73	2
Math	3.05	3	3.12	2	3.38	1
Physical Sciences	3.21	3	3.44	2	3.64	1
Social Sciences	3.67	3	3.79	2	3.93	1
Engineering	3.50	2	3.00	3	3.80	1
Architecture & Art	3.64	3	3.99	1	3.84	2
Education	4.34	1.5	4.34	1.5	4.32	3
All Courses	3.45	3	3.62	2	3.72	1
Winter, 1986 (Term 6)						
Biological Sciences	3.48	3	3.70	2	3.72	1
Business Admin.	3.49	3	3.62	2	3.73	1
English & Humanities	4.07	3	4.32	1	4.17	2
Foreign Language	3.68	2	3.65	3	3.74	1
Math	2.99	3	3.02	2	3.38	1
Physical Sciences	3.53	2	3.58	1	3.49	3
Social Sciences	3.86	2	3.70	3	3.89	1
Engineering	4.50	2	5.00	1	4.00	3
Architecture & Art	3.86	2	3.61	3	4.01	1
Education	4.28	3	4.32	2	4.36	1
All Courses	3.58	3	3.61	2	3.76	1

TABLE 3 (Cont.)
Comparison of Transfer and Native Student Academic Achievement by Subject Area
University of Illinois at Chicago
Fall, 1984 Group

Subject Area (1)	Two-Year Transfers Mean GPA (2)	Two-Year Transfers Rank (3)	Four-Year Transfers Mean GPA (4)	Four-Year Transfers Rank (5)	Continuing Sophomores & Junior Mean GPA (6)	Continuing Sophomores & Junior Rank (7)
Spring, 1986 (Term 7)						
Biological Sciences	3.39	1	3.21	3	3.34	2
Business Admin.	3.34	3	3.40	2	3.71	1
English & Humanities	4.03	2	3.90	3	4.38	1
Foreign Language	3.51	3	3.66	2	3.86	1
Math	3.23	3	3.32	1	3.27	2
Physical Sciences	3.48	2	3.41	3	3.56	1
Social Sciences	3.49	3	3.67	2	3.90	1
Engineering	4.33	2	5.00	1	3.25	3
Architecture & Art	3.64	3	3.70	2	3.87	1
Education	4.26	3	4.38	1	4.34	2
All Courses	3.44	3	3.57	2	3.75	1
Summer, 1986 (Term 8)						
Biological Sciences	3.45	1	3.36	2	3.14	3
Business Admin.	3.56	3	3.60	2	3.83	1
English & Humanities	4.50	1	4.38	2	3.86	3
Foreign Language	3.10	3	3.44	2	4.00	1
Math	2.89	2	2.77	3	3.23	1
Physical Sciences	3.34	2	3.53	1	3.06	3
Social Sciences	3.53	3	3.94	1	3.60	2
Engineering	4.00	1	4.00	1	3.00	3
Architecture & Art	3.21	3	3.25	2	3.45	1
Education	4.68	1	4.06	3	4.52	2
All Courses	NA	NA	NA	NA	NA	NA

Similar analyses for the second and third term show that community college transfers received the lowest mean UIC term GPA for almost all of the ten subject areas. Natives and four-year college transfers were similar to each other in achievement and number of areas in which they ranked first or second in achievement in the ten subject areas studied. Community college transfers continued to achieve below average GPA's in biological sciences, math, and business administration. However, the students achieved at higher levels in education, architecture and art, and English and humanities, for the second and third terms. By the end of the 1986 spring term, natives ranked first for the mean UIC term GPA for all courses (3.79), while four-year transfers ranked second (3.77) and community college transfers achieved the lowest mean GPA (3.64).

Institutional Differences

A summary of community college transfer student progress by institution of last attendance is presented in Table 4 for those Illinois community or junior colleges sending five or more transfer students to the University of Illinois at Chicago for the 1984 fall term. These data are accompanied by comparable group data for four-year college transfers and continuing natives. Community colleges which sent five or more transfers were assigned a confidential code number, which is shown in column one; these code numbers do not correspond to code numbers assigned to institutions by the University Office of School and College Relations.[28] The number of students who initially entered the 1984 fall term and each group's mean pre-transfer GPA are shown in Columns 2 and 3, respectively. Column 4 shows the mean UIC first term grade point average for the students from each community college which has been coded, and Column 5

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[28]Ernest F. Anderson, "Institution Codes for Identification of Institutions of Last Attendance for Transfer Students, January 28, 1988." Champaign: University Office of School and College Relations, University of Illinois, 1988.

TABLE 4
Summary of Community College Transfer Student Progress by Institution of Last Attendance
University of Illinois at Chicago
Fall, 1984 Group

Conf. Inst. Code (1)	No. Fall 1984 Trans. (2)	Pre-Trans. GPA (3)	Mean 1st Term GPA (4)	Change in Mean 1st Term GPA (5)	Academic Status After Eight Terms: Grad. No. (6)	Grad. % (7)	Clear No. (8)	Clear % (9)	Pro. No. (10)	Pro. % (11)	Dropped No. (12)	Dropped % (13)	Withdrawn No. (14)	Withdrawn % (15)	Left Clear No. (16)	Left Clear % (17)	Left Pro. No. (18)	Left Pro. % (19)	** Retention Ratio * (20)
01*	26	3.96	4.34	0.38	2	8%	6	23%	3	12%	4	15%	5	19%	4	15%	2	8%	0.42
02	56	3.89	3.65	-0.24	3	5%	15	27%	3	5%	9	16%	5	9%	14	25%	7	13%	0.38
03	9	3.82	2.96	-0.86	0	0%	5	56%	1	11%	3	33%	0	0%	0	0%	0	0%	0.67
04	5	3.91	2.84	-1.07	1	20%	0	0%	1	20%	2	40%	1	20%	0	0%	0	0%	0.40
05	18	4.16	3.85	-0.31	0	0%	13	72%	1	6%	0	0%	3	17%	1	6%	0	0%	0.78
06	97	3.87	3.27	-0.60	4	4%	35	36%	8	8%	8	8%	15	15%	14	14%	13	13%	0.48
07	45	3.80	3.63	-0.17	2	4%	15	33%	1	2%	6	13%	9	20%	10	22%	2	4%	0.40
08	119	3.87	3.26	-0.61	14	12%	23	19%	4	3%	26	22%	19	16%	20	17%	13	11%	0.34
09	7	3.97	3.62	-0.35	0	0%	3	43%	2	29%	1	14%	1	14%	0	0%	0	0%	0.71
10	9	3.77	2.91	-0.86	0	0%	1	11%	0	0%	2	22%	2	22%	1	11%	3	33%	0.11
11	7	3.65	2.94	-0.71	1	14%	2	29%	0	0%	1	14%	2	29%	0	0%	1	14%	0.43
12	77	3.82	3.53	-0.29	4	5%	36	47%	5	6%	5	6%	11	14%	8	10%	8	10%	0.58
13	155	3.95	3.37	-0.58	5	3%	55	35%	6	4%	29	19%	20	13%	26	17%	14	9%	0.43
14	6	3.61	4.21	0.60	0	0%	5	83%	1	17%	0	0%	0	0%	0	0%	0	0%	1.00
15	49	3.89	3.28	-0.61	6	12%*	15	31%*	3	6%*	7	14%	8	16%	7	14%	3	6%	0.49
16	46	3.94	3.36	-0.58	4	9%	19	41%	0	0%	9	20%	5	11%	7	15%	2	4%	0.50
17	136	3.84	3.40	-0.44	13	10%	50	37%	4	3%	16	12%	17	13%	21	15%	15	11%	0.49
18	19	4.13	3.60	-0.53	2	11%	5	26%	0	0%	3	16%	4	21%	3	16%	2	11%	0.37
19	11	3.79	3.29	-0.50	1	9%	4	36%	1	9%	3	27%	1	9%	0	0%	1	9%	0.55
20	112	3.82	3.10	-0.72	6	5%	34	30%	1	1%	29	26%	14	13%	15	13%	13	12%	0.37
21	24	3.57	2.71	-0.86	0	0%	4	17%	0	0%	7	29%	3	13%	5	21%	5	21%	0.17
22	32	3.74	2.53	-1.21	0	0%	6	19%	1	3%	15	47%	3	9%	3	9%	4	13%	0.22
23	135	3.99	3.31	-0.68	9	7%	44	33%	8	6%	31	23%	23	17%	13	10%	7	5%	0.45
24	31	3.00	2.87	-0.13	1	3%	9	29%	1	3%	6	19%	4	13%	6	19%	4	13%	0.35
25	100	3.79	3.10	-0.69	4	4%	34	34%	3	3%	28	28%	9	9%	11	11%	11	11%	0.41
26	78	3.83	3.1	-0.73	4	5%	17	22%	3	4%	20	26%	14	18%	12	15%	8	10%	0.31
27	36	3.84	3.05	-0.79	0	0%	14	39%	1	3%	3	8%	6	17%	6	17%	6	17%	0.42
2-Yr. Trans.	1445	3.87	3.27	-0.60	86	6%	469	32%	62	4%	273	19%	204	14%	207	14%	144	10%	0.43
4-Yr. Trans.	1201	3.87	3.54	-0.33	118	10%	354	29%	46	4%	143	12%	167	14%	255	21%	118	10%	0.43
Sophs. & Jrs.	1336	3.66	3.58	-0.08	511	38%	451 #	34%	101 #	8%	NA	--	NA	--	NA	--	NA	--	0.79##

*Community colleges with fewer than five transfers in the group.
**Retention Ratio: The proportion of Fall, 1984 transfers which has graduated or completed the term on clear or probationary status.
#Figures based on term seven.
##May be slightly inflated because some students re-enrolled and are counted twice.
NA-Cumulative figures not available. Dropped, withdrawn, left on clear, and left on probation figures total 21% of Fall, 1984 transfers

shows the drop in first term GPA when compared with the pre-transfer GPA. Columns 6 through 19 report academic status after the eighth term, while Column 20 reports retention ratios for the coded community colleges, the two-year transfer group, the four-year transfer group, and the continuing sophomores and juniors group.

Comparison of pre-transfer and first term GPA shows that twenty-two institutions had at least a .30 drop in mean GPA, with two institutions (Codes 04 and 22) having a decrease greater than one letter grade. The average decrease for the community college group is .60, and the four-year college transfers decreased their mean GPA from 3.87 to 3.54, while the natives dropped from 3.66 to 3.58.

The retention rates for each of the community colleges with five or more transfers are presented in Column 20 of Table 4. One community college (Code 14) shows a retention ratio of 1.00 after eight terms. Four community college groups had retention rates of .50 and less than 1.00. Twenty-two community college groups had retention rates less than .50.

Table 5 presents an analysis of the relationship between the drop in mean first term GPA and the retention ratio for the twenty-five community college groups. There is an inverse correlation ($r = -.57$, $p < .02$) between the institution's drop in first term GPA and the retention ratio for the transfer students from a community college. Institutions with modest decreases in first term GPA had a higher retention ratio (see Columns 3 and 4) than institutions with mean GPA's more than .45 lower than their pre-transfer grades. It is estimated that approximately 32 percent of the variance in retention ratios among the twenty-seven community college groups can be accounted for by variance in mean drop in first term GPA at UIC.

TABLE 5
Relationship of Drop in Mean First Term GPA and Retention Ratio
University of Illinois at Chicago -- Fall, 1984 Group

Conf. Inst. Code (1)	Number of Transfers (2)	Mean Drop in Inst. GPA (X) (3)	Retentionn Ratio (Y) (4)	Estimated Ret.Ratio (5)
01*	26	+ 0.38	0.42	0.70
02	56	0.24	0.38	0.66
03	9	0.86	0.67	0.83
04	5	1.07	0.40	0.88
05	18	0.31	0.78	0.68
06	97	0.60	0.48	0.76
07	45	0.17	0.40	0.64
08	119	0.61	0.34	0.76
09	7	0.35	0.71	0.69
10	9	0.86	0.11	0.83
11	7	0.71	0.43	0.79
12	77	0.29	0.58	0.68
13	155	0.58	0.43	0.75
14	6	+ 0.60	1.00	0.76
15	49	0.61	0.49	0.76
16	46	0.58	0.50	0.75
17	136	0.44	0.49	0.72
18	19	0.53	0.37	0.74
19	11	0.50	0.55	0.73
20	112	0.72	0.37	0.79
21	24	0.86	0.17	0.83
22	32	1.21	0.22	0.92
23	135	0.68	0.45	0.78
24	31	0.13	0.35	0.63
25	100	0.69	0.41	0.78
26	78	0.73	0.31	0.79
27	36	0.79	0.42	0.81
2-Yr. Trans. Total	1445	0.60	0.45	0.76 **

Constant	0.59
Std Err of Y Est	0.15
r (correlation) XY	-0.57
R Squared	0.32
No. of Observations	27
Degrees of Freedom	25
Std Deviation (X)	0.26
Std Deviation (Y)	0.18
X Coefficient (slope)	-0.27
Std Err of Coef.	0.08
Estimated Y =	-0.27 (X) + 0.59

*Community colleges with fewer than five transfers in the group.
**Difference of .01 from retention ratio due to rounding in previous calculations.
***Significant at .02

A review of the trend in retention and academic achievement at UIC since 1976 reveals changes in relation to transfer students. Table 6 reports that the number of community college transfers to UIC has decreased since 1976 by as little as 6 in 1980 and as much as 208 in 1978 (when compared to the number of transfers in 1976). In 1984, the number of community college transfers increased substantially (304) from the 1983 figure. Pre-transfer GPA's for community college transfers to UIC remained fairly constant in the years 1976 through 1982. The 1983 and 1984 pre-transfer GPA's, however, were slightly higher (3.89 and 3.87, respectively). Retention rates one year after transfer have been similar to previously studied community college transfers; the two-year retention rate for 1978 transfers was substantially lower than that of 1973, decreasing from .43 in 1973 to .34 in 1978, but increasing from .38 in 1979 and 1980 to .42 in 1981, .41 in 1982, and .45 in 1983. The retention rate after two years for community colleges decreased slightly in 1984 from the previous year (.45 to .43).

Graduation rates two years after transfer have remained fairly constant at six to eight percent, decreasing slightly in 1984 from the previous year (eight percent to six percent).

Table 7 reports trends in four-year college transfer student progress at UIC. The enrollment trends of four-year college transfers resemble those of community college transfers, with the exception that enrollment declines for four-year transfers were more pronounced in 1976, 1978, and 1983. The margin of increase for 1979 and 1980 is similar to the community college group, but in 1984 there was a substantial increase (303) in enrollment of four-year college transfers, while the community college transfer enrollment also increased dramatically (304). Pre-transfer GPA's for four-year transfers were higher in 1976 (3.70), fell to 3.57 in 1978, returned to 3.70 in 1979, fell again in 1980

TABLE 6

Trends in Community College Transfer Student Performance

University of Illinois at Chicago

1976, 1978, 1979, 1980, 1981, 1982, 1983, and 1984 Transfers

Variable (1)	1976 (2)	1978 (3)	1979 (4)	1980 (5)	1981 (6)	1982 (7)	1983 (8)	1984 (9)
Number of Transfers	1115	907	1030	1109	1078	1288	1141	1445
Pre-Transfer GPA	3.80	3.77	3.82	3.82	3.82	3.84	3.89	3.87
1st Term Drop in Mean GPA	-0.49	-0.48	-0.59	-0.52	-0.35	-0.47	-0.49	-0.60
Mean 1st (F) Term GPA	3.31	3.29	3.23	3.30	3.47	3.37	3.40	3.27
Mean 2nd (W) Term GPA	3.34	3.39	3.32	3.43	3.46	3.43	3.44	3.35
Mean 3rd (S) Term GPA	3.44	3.46	3.45	3.51	3.49	3.45	3.57	3.44
Mean 5th (F) Term GPA	NA	3.58	3.54	3.52	3.55	3.51	3.58	3.45
Mean 6th (W) Term GPA	NA	3.61	3.58	3.59	3.64	3.54	3.65	3.58
Mean 7th (S) Term GPA	NA	3.64	3.68	3.67	3.70	3.67	3.70	3.64
Retention Ratio One Year After Transfer	.62	.54	.58	.58	.62	.60	.61	.58
Retention Ratio Two Years After Transfer	NA	.34	.38	.38	.42	.41	.45	.43
Graduation Ratio Two Years After Transfer	NA	.07	.06	.07	.07	.07	.08	.06

TABLE 7

Trends in Four-Year College Transfer Student Performance

University of Illinois at Chicago

1976, 1978, 1979, 1980, 1981, 1982, 1983, and 1984 Tranfers

Variable (1)	1976 (2)	1978 (3)	1979 (4)	1980 (5)	1981 (6)	1982 (7)	1983 (8)	1984 (9)
Number of Transfers	892	680	809	838	1289	1307	1028	1331
Pre-Transfer GPA	3.70	3.57	3.70	3.66	3.67	3.68	3.67	3.67
1st Term Drop in Mean GPA	-0.03	-0.10	-0.11	-0.05	-0.14	-0.13	-0.11	-0.13
Mean 1st (F) Term GPA	3.67	3.47	3.59	3.61	3.53	3.55	3.56	3.54
Mean 2nd (W) Term GPA	3.69	3.57	3.63	3.69	3.63	3.59	3.57	3.59
Mean 3rd (S) Term GPA	3.76	3.64	3.67	3.68	3.66	3.64	3.69	3.64
Mean 5th (F) Term GPA	NA	3.72	3.58	3.69	3.63	3.64	3.64	3.62
Mean 6th (W) Term GPA	NA	3.68	3.73	3.71	3.55	3.69	3.75	3.61
Mean 7th (S) Term GPA	NA	3.78	3.74	3.73	3.68	3.75	3.75	3.77
Retention Ratio One Year After Transfer	.56	.58	.59	.57	.56	.57	.57	.57
Retention Ratio Two Years After Transfer	NA	.41	.39	.40	.40	.42	.41	.43
Graduation Ratio Two Years After Transfer	NA	.10	.08	.08	.09	.12	.11	.10

(3.66), and increased only slightly in both 1981 and 1982 (3.67, 3.68). The pre-transfer GPA remained at 3.67 in 1983 and 1984. Mean first term GPA in 1984 decreased by .13 from 1976, but increased .07 from the mean first term GPA in 1978. Retention ratios one year after transfer vary only slightly from a .56 in 1976 to .64 in 1973, with a .57 in 1984. The retention ratio two years after transfer has remained fairly stable since 1973 (.39 to .44) with a 1984 retention ratio of .43. The graduation rate two years after transfer has remained fairly stable over the last ten years. The 1984 figure decreased by one percent from the 1983 figure (11 to 10 percent).

SUMMARY, DISCUSSION, AND INTERPRETATION OF FINDINGS

Summary of Findings

1. The community college transfer group entered UIC with a pre-transfer GPA of 3.87, which is .20 higher than the pre-transfer GPA (3.67) of the four-year college transfer group, and .21 higher than the UIC native group (3.66).

2. Community college transfers achieved first term mean UIC grade point averages .60 below their pre-transfer GPA, while four-year transfers (.13) and the natives (.08) achieved an average GPA only slightly lower than their previous achievement. This decline is greater than in 1982 when the drop in GPA was .47 for community colleges.

3. UIC community college transfers did not exceed their mean pre-transfer grade point average during the eight terms included in this study, and the four-year college transfers achieved GPA's which exceeded their group's pre-transfer GPA only during the seventh term. The native group achieved

GPA's equal to or above that group's lower division GPA for four of the eight terms.

4. Forty-three percent of the community college transfers and 43 percent of the four-year college transfers had graduated or were retained after eight terms, while the comparable figure for the native students was 80 percent.

5. Approximately 29 percent of the community college transfer group and 22 percent of the four-year transfer group left UIC for academic reasons. Comparable information was not available for the group of native students.

6. Nineteen percent of the community college transfers and 12 percent of the four-year college transfers were dropped and did not re-enter UIC. Comparable data were not available for the group of native students.

7. Approximately 14 percent of the community college transfers and 21 percent of the four-year college transfers left on clear status and did not re-enroll at UIC.

8. Approximately 10 percent of both the community college transfers and the four-year transfers left on probation and did not re-enroll.

9. Community college transfers achieved a lower mean UIC GPA in a majority of the ten subject areas studied than did the four-year transfers or the native group. The performance of the four-year college transfer group more closely resembled that of the natives than that of the community college group in the various subject areas.

10. Community college transfers were consistently below the average group achievement in the subject areas of biological sciences, math, and business administration. Four-year college transfers were not consistently high or low in any of the subject areas.

11. There was a negative correlation (-.57) between the mean drop in first term GPA and the final retention ratio for individual community colleges. In

general, those institutions whose transfer students to UIC experienced the largest drop between pre-transfer GPA and first term UIC GPA also experienced the lowest retention ratios after eight terms.

12. Retention ratios one year after transfer for the community college group have ranged from .63 (1973) to .54 (1978), and was .58 in 1984. The comparable figures for four-year college transfers have varied from .64 in 1973 to .56 in 1981, and was .57 in 1984. Community college retention two years after transfer has ranged from .45 (1983) to .34 (1978) and was .43 in 1984. Four-year college retention two years after entry has varied from .43 (1984) to .39 (1979). These figures represent a slight decrease in retention for the community college group compared with 1982 retention ratio, and an increase for the four-year group.

13. Graduation rates two years after transfer have declined by approximately one-half for community college, and four-year college transfers have dropped about one-fourth when comparing 1984 with 1973 groups. During this same period, the graduation rate for the control group of native sophomores and juniors averaged about 43 percent, with 38 percent reported for 1984.

Discussion and Interpretation of Findings

The findings presented in this study indicate that community college transfers did not achieve as well after transfer to UIC as they did before transfer, while four-year college transfers and continuing sophomores and juniors achieved GPA's similar to those they had achieved prior to selection for this study. This is not a new finding; previous studies at both UIC and UIUC, along with national studies, have supported this finding.

Retention, including graduation and continuing on clear or probation, was lower for community college transfers (.43) and for four-year college transfers

(.43) than for continuing sophomores and juniors (.80). These data support the hypothesis that transfer students do not achieve as well after transfer to UIC as continuing sophomores and juniors who entered as beginning freshmen and completed one to three years at UIC.

These findings are supported by a study conducted at the University of Missouri-St. Louis, an urban institution similar to UIC.[29] The results of the study show that beginning freshmen have a higher retention rate than transfer students at UMSL.

The reasons for leaving the University are helpful in analysis of the success data for various groups. Approximately 29 percent of the community college transfers and 22 percent of the four-year transfers were dropped or left on probation during the two-year period of the study. These data further support the hypothesis that community college transfers as a group are less well prepared to achieve minimum standards and meet graduation requirements at UIC than continuing sophomores and juniors. However, the four-year college transfers achieve GPA's higher than natives, but do not remain and graduate in as high a proportion as the natives.

The findings and implications presented in this study need to be interpreted in the context of the environment in which the research was conducted and evaluated in relation to the differential purposes of the types of institutions represented by students in the study. One purpose of community colleges is to prepare baccalaureate-oriented students for successful transfer to four-year colleges and universities for completion of bachelor's degrees.

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[29]A. Nancy Avakian, Arthur C. MacKinney, and Glenn R. Allen, "Race and Sex Differences in Student Retention at an Urban University, "College and University, Vol. 57, No. 2. Athens, Ohio: American Association of Collegiate Registrars and Admissions Officers, 1982, pp. 160-165.

Community colleges are "open door" institutions obligated by statute and practice to admit all students who are minimally qualified to complete one of their transfer programs. This means that community colleges enroll students in baccalaureate-oriented courses and programs who are high academic achievers as well as students with average and below average academic achievement, with lower probability of achieving success in a transfer program. It is from this population of applicants that community college transfer applicants are selected for admission to UIC in competition with transfers from four-year colleges and universities.

The major purposes of the undergraduate colleges at the University of Illinois are to provide the general education, technical and professional knowledge, and skills to qualify graduates for leadership roles in society at the bachelor's degree level and to prepare students for successful admission into and completion of graduate and professional programs. The University of Illinois at Chicago admits the "best qualified" beginning freshmen and transfers to each of its colleges and curricula for each admission period. Data show that the average beginning freshman student in 1986 graduated at about the 74th percentile of his or her high school graduating class and had an ACT composite score of just over twenty.[30]

The community colleges of Illinois provide an opportunity for many students to enter UIC's undergraduate programs as transfer students who would not have been admitted under the more competitive beginning freshman

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[30]Ira W. Langston IV, "The University of Illinois at Chicago Freshman Class Profile, Fall, 1987." Champaign: University Office of School and College Relations, University of Illinois, Research Memorandum 88-2, May 1988.

requirements. The community colleges provide access and opportunity for many students to obtain admission and complete bachelor's degree programs which would not have been a choice directly open to them following high school graduation. More than 43 percent of the community college transfer students are successful at UIC as measured by retention eight terms after transfer. The "success rate" is comparable for transfers from four-year colleges and approximately 37 percent more for native sophomores and juniors who have already successfully completed one to three years at UIC. There is still a need for increased retention of transfer students at UIC. Access is important, but access without successful achievement of graduation or another equivalent objective is less than either the students or the University should be willing to accept.

IV. POLICY CONSIDERATIONS

The findings of this study document the performance of community college transfers and four-year college transfers in 1984 compared to previous years as measured by pre-transfer GPA, UIC GPA's, retention, and graduation. In general, these data identify and document continuing problems regarding academic achievement and retention for community college and four-year college transfers which should be considered and evaluated in future policy considerations.

One problem which warrants further study and analysis as a basis for future policy consideration is that community college transfers continue to experience at least a .60 drop in grade point average when they transfer to UIC; the fall, 1984 group recovered some (.21) of this drop in the end of the first year after transfer, and slightly more (.03) by the end of two years.

The four-year college transfers experienced about one-fifth as much transfer shock (-.13), and they also do not recover to achieve their pre-transfer level until the end of two years. At the end of two years, the remaining students were achieving above (.09) their pre-transfer GPA.

It is clear from this study and previous transfer studies at UIC that community college transfers have more problems with scholarship and achievement than four-year college transfers. Nineteen percent, or one of each five community college transfers, were dropped for academic reasons and never returned. In total, slightly less than one in three, twenty-nine percent, community college transfers left the University and did not return because of academic difficulty during the two years after transfer. The comparable figure for four-year college transfers is 22 percent (or about one in five). The major policy question is whether or not the University should attempt to reduce the relatively high number of community college transfers who are dropped for poor academic performance after entering UIC with "good" community college records.

A growing problem is the decline in the two-year graduation rate for both community college and four-year transfers from about 14 to 16 percent in 1973 to about 6 to 10 percent respectively in 1984, even while the graduation rate for natives seems to have remained constant at about 40 percent. The trend for a slight increase or maintenance in retention rates for community college transfers is somewhat encouraging and may ultimately result in an increase in graduation rates.

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APPENDIX A

Fall, 1984 Grade Point Average and Academic Status of Community College Transfers by Institution of Last Attendance
University of Illinois at Chicago
Fall, 1984 Group

Conf. Inst. Code (1)	No. Fall 1984 Trans. (2)	Mean Trans. GPA (4)	Mean 1st Term GPA (5)	Change in Mean GPA (6)	Academic Status[1] Grad. No. (8)	Grad. % (9)	Clear No. (10)	Clear % (11)	Pro. No. (12)	Pro. % (13)	Dropped No. (14)	Dropped % (15)	With-drawn No. (16)	With-drawn % (17)	Retention Ratio[2] (18)
01*	26	3.96	4.34	0.38	0	0%	14	54%	6	23%	3	12%	3	12%	0.77
02	56	3.89	3.65	-0.24	0	0%	40	71%	14	25%	0	0%	2	4%	0.96
03	9	3.82	2.96	-0.86	0	0%	5	56%	3	33%	1	11%	0	0%	0.89
04	5	3.91	2.84	-1.07	1	20%	1	20%	3	60%	0	0%	0	0%	1.00
05	18	4.16	3.85	-0.31	0	0%	15	83%	1	6%	0	0%	2	11%	0.89
06	97	3.87	3.27	-0.60	0	0%	58	60%	28	29%	6	6%	5	5%	0.89
07	45	3.80	3.63	-0.17	0	0%	31	69%	12	27%	0	0%	2	4%	0.96
08	119	3.87	3.26	-0.61	1	1%	63	53%	31	26%	11	9%	13	11%	0.80
09	7	3.97	3.62	-0.35	0	0%	5	71%	0	0%	1	14%	1	14%	0.71
10	9	3.77	2.91	-0.86	0	0%	4	44%	4	44%	1	11%	0	0%	0.89
11	7	3.65	2.94	-0.71	0	0%	3	43%	1	14%	1	14%	2	29%	0.57
12	77	3.82	3.53	-0.29	0	0%	50	65%	20	26%	1	1%	6	8%	0.91
13	155	3.95	3.37	-0.58	0	0%	98	63%	33	21%	15	10%	9	6%	0.85
14	6	3.61	4.21	0.60	0	0%	6	100%	0	0%	0	0%	0	0%	1.00
15	49	3.89	3.28	-0.61	0	0%	33	67%	10	20%	3	6%	3	6%	0.88
16	46	3.94	3.36	-0.58	0	0%	34	74%	9	20%	2	4%	1	2%	0.93
17	136	3.84	3.40	-0.44	0	0%	86	63%	29	21%	10	7%	10	7%	0.85
18	19	4.13	3.60	-0.53	1	5%	11	58%	5	26%	1	5%	2	11%	0.89
19	11	3.79	3.29	-0.50	0	0%	7	64%	2	18%	1	9%	1	9%	0.82
20	112	3.82	3.10	-0.72	2	2%	55	49%	39	35%	12	11%	4	4%	0.86
21	24	3.57	2.71	-0.86	0	0%	11	46%	4	17%	6	25%	3	13%	0.63
22	32	3.74	2.53	-1.21	0	0%	9	28%	13	41%	8	25%	2	6%	0.69
23	135	3.99	3.31	-0.68	0	0%	76	56%	38	28%	14	10%	7	5%	0.84
24	31	3.00	2.87	-0.13	0	0%	15	48%	9	29%	4	13%	3	10%	0.77
25	100	3.79	3.10	-0.69	0	0%	60	60%	32	32%	8	8%	0	0%	0.92
26	78	3.83	3.10	-0.73	1	1%	38	49%	26	33%	9	12%	4	5%	0.83
27	36	3.84	3.05	-0.79	0	0%	23	64%	10	28%	1	3%	2	6%	0.92
2-Yr. Trans.	1445	3.87	3.27	-0.60	6	**0%	851	59%	382	26%	119	8%	87	6%	0.86
4-Yr. Trans.	1201	3.67	3.54	-0.13	8	1%	772	64%	234	19%	79	7%	108	9%	0.84
Sophs. & Jrs.	1331	3.66	3.58	-0.08	0	**0%	1033	78%	230	17%	34	3%	34	3%	0.95

1-Percents based on number of transfer students enrolled in 1984 Fall term (Column 2).
2-Retention Ratio: The proportion of total Fall, 1984 transfers which has graduated or completed the 1st term on clear or probationary status.
*Community colleges with fewer than five transfers in the group. **Less than 1%.

APPENDIX B

Winter, 1985 Grade Point Average and Academic Status of Community College Transfers by Institution of Last Attendance
University of Illinois at Chicago
Fall, 1984 Group

Conf. Inst. Code (1)	No. Fall 1984 Trans. (2)	No. Re-enrolled Winter 1985 (3)	Mean Trans. GPA (4)	Mean 2nd Term GPA (5)	Change in Mean GPA (6)	Incr. in Mean GPA Over 1st (7)	Academic Status[1] Grad. No. (8)	Grad. % (9)	Clear No. (10)	Clear % (11)	Pro. No. (12)	Pro. % (13)	Dropped No. (14)	Dropped % (15)	Withdrawn No. (16)	Withdrawn % (17)	Retention Ratio[2] (18)
01*	26	19	3.74	3.19	-0.55	-1.15	0	0%	8	42%	6	32%	4	21%	1	5%	0.54
02	56	44	3.89	3.42	-0.47	-0.23	0	0%	29	66%	10	23%	2	5%	3	7%	0.70
03	9	8	3.86	3.47	-0.39	0.51	0	0%	5	63%	2	25%	1	13%	0	0%	0.78
04	5	4	3.63	3.33	-0.30	0.49	0	0%	1	25%	3	75%	0	0%	0	0%	1.00
05	18	16	4.22	3.66	-0.56	-0.19	0	0%	14	88%	1	6%	0	0%	1	6%	0.83
06	97	78	3.90	3.40	-0.50	0.13	0	0%	47	60%	22	28%	2	3%	7	9%	0.71
07	45	37	3.80	3.33	-0.47	-0.30	0	0%	20	54%	10	27%	2	5%	5	14%	0.67
08	119	82	3.91	3.39	-0.52	0.13	0	0%	49	60%	20	24%	8	10%	5	6%	0.59
09	7	5	3.92	3.28	-0.64	-0.34	0	0%	4	80%	1	20%	0	0%	0	0%	0.71
10	9	7	3.84	2.75	-1.09	-0.16	0	0%	2	29%	2	29%	1	14%	2	29%	0.44
11	7	4	3.97	3.63	-0.34	0.69	0	0%	3	75%	1	25%	0	0%	0	0%	0.57
12	77	63	3.82	3.54	-0.28	0.01	0	0%	41	65%	15	24%	2	3%	5	8%	0.73
13	155	114	3.97	3.40	-0.57	0.03	0	0%	70	61%	32	28%	6	5%	6	5%	0.66
14	6	6	3.61	4.01	0.40	-0.20	0	0%	6	100%	0	0%	0	0%	0	0%	1.00
15	49	41	3.86	3.50	-0.36	0.22	0	0%	28	68%	8	20%	2	5%	3	7%	0.73
16	46	36	3.97	3.47	-0.50	0.11	0	0%	22	61%	9	25%	2	6%	3	8%	0.67
17	136	105	3.85	3.64	-0.21	0.24	0	0%	79	75%	19	18%	4	4%	3	3%	0.72
18	19	13	4.07	3.77	-0.30	0.17	0	0%	9	69%	2	15%	1	8%	1	8%	0.63
19	11	9	3.77	3.31	-0.46	0.02	0	0%	6	67%	3	33%	0	0%	0	0%	0.82
20	112	87	3.83	3.14	-0.69	0.04	0	0%	40	46%	32	37%	11	13%	4	5%	0.66
21	24	12	3.66	2.73	-0.93	0.02	0	0%	4	33%	8	67%	0	0%	0	0%	0.50
22	32	17	3.78	2.65	-1.13	0.12	0	0%	6	35%	7	41%	4	24%	0	0%	0.41
23	135	108	4.06	3.20	-0.86	-0.11	0	0%	56	52%	37	34%	9	8%	6	6%	0.69
24	31	17	4.08	3.21	-0.87	0.34	0	0%	10	59%	6	35%	1	6%	0	0%	0.52
25	100	85	3.83	3.17	-0.66	0.07	0	0%	49	58%	25	29%	9	11%	2	2%	0.74
26	78	57	3.91	3.25	-0.66	0.15	0	0%	28	49%	18	32%	5	9%	6	11%	0.60
27	36	28	3.89	3.33	-0.56	0.28	0	0%	18	64%	6	21%	2	7%	2	7%	0.67
2-Yr. Trans.	1445	1102	3.90	3.35	-0.55	0.08	0	0%	654	59%	305	28%	78	7%	65	6%	0.67
4-Yr. Trans.	1201	870	3.68	3.59	-0.09	0.05	6	1%	610	70%	180	21%	33	4%	41	5%	0.67
Sophs. & Jrs.	1331	1237	3.68	3.66	-0.02	0.08	2	0%	970	78%	223	18%	13	1%	29	2%	0.90

1-Percents based on number of transfer students enrolled in 1985 Winter term (Col. 3).

2-Retention Ratio: The proportion of total Fall, 1984 transfers which has graduated or completed the 2nd term on clear or probationary status.

*Community colleges with fewer than five transfers in the group. **Less than 1%.

APPENDIX C

Spring, 1985 Grade Point Average and Academic Status of Community College Transfers by Institution of Last Attendance
University of Illinois at Chicago
Fall, 1984 Group

Conf. Inst. Code (1)	No. Fall 1984 Trans. (2)	No. Re-enrolled Spring 1985 (3)	Mean Trans. GPA (4)	Mean 3rd Term GPA (5)	Change in Mean GPA (6)	Incr. in Mean GPA Over 2nd (7)	Academic Status[1] Grad. No. (8)	Grad. % (9)	Clear No. (10)	Clear % (11)	Pro. No. (12)	Pro. % (13)	Dropped No. (14)	Dropped % (15)	With-drawn No. (16)	With-drawn % (17)	Retention Ratio[2] (18)
01*	26	16	3.89	3.49	-0.40	0.30	0	0%	9	56%	6	38%	0	0%	1	6%	0.58
02	56	36	3.87	3.53	-0.34	0.11	0	0%	23	64%	10	28%	3	8%	0	0%	0.59
03	9	7	3.82	3.32	-0.50	-0.15	0	0%	4	57%	2	29%	1	14%	0	0%	0.67
04	5	4	3.63	2.17	-1.46	-1.16	0	0%	2	50%	1	25%	1	25%	0	0%	0.80
05	18	14	4.24	3.99	-0.25	0.33	0	0%	13	93%	1	7%	0	0%	0	0%	0.78
06	97	66	3.89	3.51	-0.38	0.11	0	0%	45	68%	16	24%	3	5%	2	3%	0.63
07	45	28	3.76	3.71	-0.05	0.38	0	0%	21	75%	5	18%	1	4%	1	4%	0.58
08	119	67	3.94	3.42	-0.52	0.03	0	0%	43	64%	13	19%	7	10%	4	6%	0.48
09	7	5	3.92	4.16	0.24	0.88	0	0%	5	100%	0	0%	0	0%	0	0%	0.71
10	9	5	3.88	3.14	-0.74	0.39	0	0%	2	40%	2	40%	1	20%	0	0%	0.44
11	7	4	3.97	3.10	-0.87	-0.53	0	0%	2	50%	2	50%	0	0%	0	0%	0.57
12	77	58	3.85	3.78	-0.07	0.24	0	0%	43	74%	14	24%	0	0%	1	2%	0.74
13	155	101	4.02	3.44	-0.58	0.04	0	0%	65	64%	26	26%	8	8%	2	2%	0.59
14	6	6	3.61	3.01	-0.60	-1.00	0	0%	4	67%	2	33%	0	0%	0	0%	1.00
15	49	35	3.92	3.45	-0.47	-0.05	0	0%	28	80%	5	14%	2	6%	0	0%	0.67
16	46	32	3.97	3.58	-0.39	0.11	0	0%	21	66%	7	22%	3	9%	1	3%	0.61
17	136	92	3.86	3.56	-0.30	-0.08	0	0%	70	76%	20	22%	2	2%	0	0%	0.66
18	19	11	4.08	3.60	-0.48	-0.17	0	0%	8	73%	3	27%	0	0%	0	0%	0.63
19	11	9	3.77	3.27	-0.50	-0.04	0	0%	5	56%	4	44%	0	0%	0	0%	0.82
20	112	69	3.89	3.36	-0.53	0.22	0	0%	43	62%	18	26%	4	6%	4	6%	0.56
21	24	9	3.71	2.56	-1.15	-0.17	0	0%	4	44%	3	33%	2	22%	0	0%	0.29
22	32	12	3.86	2.84	-1.02	0.19	0	0%	5	42%	5	42%	2	17%	0	0%	0.31
23	135	94	4.09	3.38	-0.71	0.18	0	0%	59	63%	18	19%	11	12%	6	6%	0.57
24	31	17	4.21	3.61	-0.60	0.40	0	0%	9	53%	6	35%	2	12%	0	0%	0.48
25	100	77	3.83	3.21	-0.62	0.04	0	0%	41	53%	26	34%	8	10%	2	3%	0.67
26	78	41	3.96	3.09	-0.87	-0.16	1	2%	20	49%	9	22%	8	20%	3	7%	0.40
27	36	23	3.95	3.34	-0.61	0.01	0	0%	12	52%	8	35%	0	0%	3	13%	0.56
2-Yr. Trans.	1445	938	3.83	3.44	-0.39	0.09	1	**0%	606	65%	232	25%	69	7%	30	3%	0.58
4-Yr. Trans.	1201	748	3.69	3.57	-0.12	-0.02	17	2%	505	68%	154	21%	33	4%	39	5%	0.57
Sophs. & Jrs.	1331	1203	3.70	3.75	0.05	0.09	44	4%	964	80%	151	13%	20	2%	24	2%	0.87

1-Percents based on number of transfer students enrolled in 1985 Spring term (Col. 3).
2-Retention Ratio: The proportion of total Fall, 1984 transfers which has graduated or completed the 3rd term on clear or probationary status.
*Community colleges with fewer than five transfers in the group. **Less than 1%.

APPENDIX D

Fall, 1985 Grade Point Average and Academic Status of Community College Transfers by Institution of Last Attendance
University of Illinois at Chicago
Fall, 1984 Group

Conf. Inst. Code (1)	No. Fall 1984 Trans. (2)	No. Re-enrolled Fall 1985 (3)	Mean Trans. GPA (4)	Mean 5th Term GPA (5)	Change in Mean GPA (6)	Incr. in Mean GPA Over 3rd (7)	Academic Status[1] Grad. No. (8)	Grad. % (9)	Clear No. (10)	Clear % (11)	Pro. No. (12)	Pro. % (13)	Dropped No. (14)	Dropped % (15)	Withdrawn No. (16)	Withdrawn % (17)	Retention Ratio (18)
01*	26	13	3.37	3.21	-0.16	-0.28	0	0%	7	54%	6	46%	0	0%	0	0%	0.50
02	56	25	3.78	3.28	-0.50	-0.25	0	0%	13	52%	11	44%	1	4%	0	0%	0.45
03	9	6	3.90	3.42	-0.48	0.10	0	0%	4	67%	2	33%	0	0%	0	0%	0.78
04	5	3	3.64	3.16	-0.48	0.99	0	0%	0	0%	2	67%	0	0%	1	33%	0.60
05	18	14	4.24	4.00	-0.24	0.01	0	0%	13	93%	1	7%	0	0%	0	0%	0.78
06	97	53	3.94	3.36	-0.58	-0.15	0	0%	35	66%	16	30%	2	4%	0	0%	0.53
07	45	23	3.73	3.40	-0.33	-0.31	1	4%	17	74%	2	9%	3	13%	0	0%	0.44
08	119	49	4.06	3.44	-0.62	0.02	0	0%	31	63%	13	27%	4	8%	1	2%	0.38
09	7	5	3.92	3.38	-0.54	-0.78	0	0%	3	60%	2	40%	0	0%	0	0%	0.71
10	9	1	3.84	4.50	0.66	1.36	0	0%	1	100%	0	0%	0	0%	0	0%	0.11
11	7	4	3.97	2.84	-1.13	-0.26	0	0%	1	25%	1	25%	1	25%	1	25%	0.29
12	77	51	3.87	3.53	-0.34	-0.25	0	0%	41	80%	7	14%	2	4%	1	2%	0.62
13	155	81	4.03	3.49	-0.54	0.05	1	1%	52	64%	21	26%	6	7%	1	1%	0.48
14	6	6	3.61	3.76	0.15	0.75	0	0%	5	83%	1	17%	0	0%	0	0%	1.00
15	49	29	3.93	3.66	-0.27	0.21	0	0%	22	76%	4	14%	2	7%	1	3%	0.53
16	46	27	4.01	3.68	-0.33	0.10	0	0%	21	78%	3	11%	2	7%	1	4%	0.52
17	136	82	3.90	3.47	-0.43	-0.09	0	0%	60	73%	15	18%	5	6%	2	2%	0.55
18	19	8	4.15	3.83	-0.32	0.23	0	0%	7	88%	0	0%	1	13%	0	0%	0.42
19	11	7	3.78	3.48	-0.30	0.21	0	0%	5	71%	1	14%	1	14%	0	0%	0.55
20	112	52	3.96	3.37	-0.59	0.01	0	0%	29	56%	16	31%	6	12%	1	2%	0.42
21	24	5	3.83	3.42	-0.41	0.86	0	0%	3	60%	1	20%	1	20%	0	0%	0.17
22	32	9	4.06	2.67	-1.39	-0.17	0	0%	3	33%	4	44%	2	22%	0	0%	0.22
23	135	80	4.06	2.67	-1.39	-0.71	0	0%	55	69%	17	21%	8	10%	0	0%	0.53
24	31	14	4.15	3.50	-0.65	-0.11	0	0%	7	50%	5	36%	1	7%	1	7%	0.39
25	100	58	3.81	3.25	-0.56	0.04	1	2%	35	60%	16	28%	5	9%	1	2%	0.52
26	78	23	4.15	3.66	-0.49	0.57	0	0%	16	70%	5	22%	2	9%	0	0%	0.29
27	36	18	3.85	3.43	-0.42	0.09	0	0%	10	56%	6	33%	0	0%	2	11%	0.44
2-Yr. Trans.	1445	746	3.97	3.45	-0.52	0.01	3	0%	496	66%	178	24%	55	7%	14	2%	0.47
4-Yr. Trans.	1201	607	3.69	3.62	-0.07	-0.02	10	2%	443	73%	107	18%	26	4%	21	3%	0.50
Sophs. & Jrs.	1331	1062	3.70	3.72	0.02	0.13	86	8%	803	76%	136	13%	13	1%	24	2%	0.82

1-Percents based on number of transfer students enrolled in 1985 Fall term (Col. 3).
2-Retention Ratio: The proportion of total Fall, 1984 transfers which has graduated or completed the 5th term on clear of probationary status.
*Community colleges with fewer than five transfers in the group. **Less than 1%.

APPENDIX E

Winter 1986, Grade Point Average and Academic Status of Community College Transfers by Institution of Last Attendance
University of Illinois at Chicago
Fall, 1984 Group

Conf. Inst. Code (1)	No. Fall 1984 Trans. (2)	No. Re-enrolled Winter 1986 (3)	Mean Trans. GPA (4)	Mean 6th Term GPA (5)	Change in Mean GPA (6)	Incr. in Mean GPA Over 5th (7)	Academic Status: Grad. No. (8)	Grad. % (9)	Clear No. (10)	Clear % (11)	Pro. No. (12)	Pro. % (13)	Dropped No. (14)	Dropped % (15)	Withdrawn No. (16)	Withdrawn % (17)	Retention Ratio (18)
01*	26	12	3.81	3.12	-0.69	-0.09	0	0%	9	75%	3	25%	0	0%	0	0%	0.46
02	56	23	3.78	3.60	-0.18	0.32	1	0%	16	70%	3	13%	3	13%	0	0%	0.36
03	9	6	3.97	3.58	-0.39	0.16	0	0%	6	100%	0	0%	0	0%	0	0%	0.67
04	5	2	3.70	3.43	-0.27	0.27	0	0%	1	50%	1	50%	0	0%	0	0%	0.60
05	18	14	4.25	3.81	-0.44	-0.19	0	0%	13	93%	1	7%	0	0%	0	0%	0.78
06	97	50	3.98	3.59	-0.39	0.23	0	0%	36	72%	13	26%	1	2%	0	0%	0.51
07	45	18	3.76	3.46	-0.30	0.06	0	0%	17	94%	0	0%	0	0%	1	6%	0.40
08	119	42	4.09	3.35	-0.74	-0.09	2	5%	29	69%	7	17%	2	5%	2	5%	0.33
09	7	5	3.92	3.45	-0.47	0.07	0	0%	5	100%	0	0%	0	0%	0	0%	0.71
10	9	1	3.84	3.25	-0.59	-1.25	0	0%	1	100%	0	0%	0	0%	0	0%	0.11
11	7	2	4.27	3.95	-0.32	1.11	0	0%	2	100%	0	0%	0	0%	0	0%	0.29
12	77	48	3.88	3.59	-0.29	0.06	1	2%	39	81%	6	13%	1	2%	1	2%	0.60
13	155	73	4.01	3.66	-0.35	0.17	0	0%	52	71%	18	25%	2	3%	1	1%	0.46
14	6	6	3.61	3.60	-0.01	-0.16	0	0%	5	83%	1	17%	0	0%	0	0%	1.00
15	49	25	3.96	3.64	-0.32	-0.02	0	0%	18	72%	6	24%	0	0%	1	4%	0.49
16	46	24	4.00	3.56	-0.44	-0.10	0	0%	17	71%	6	25%	1	4%	0	0%	0.50
17	136	68	3.97	3.67	-0.30	-0.01	2	3%	55	81%	9	13%	2	3%	0	0%	0.49
18	19	8	4.09	4.13	0.04	0.47	0	0%	6	75%	1	13%	0	0%	1	13%	0.42
19	11	7	3.78	3.33	-0.45	3.33	0	0%	5	71%	1	14%	1	14%	0	0%	0.55
20	112	45	4.01	3.77	-0.24	0.09	1	2%	28	62%	9	20%	4	9%	3	7%	0.36
21	24	5	3.83	3.75	-0.08	0.38	0	0%	3	60%	1	20%	1	20%	0	0%	0.17
22	32	6	4.33	3.89	-0.44	1.22	0	0%	4	67%	1	17%	0	0%	1	17%	0.16
23	135	74	4.18	3.42	-0.76	0.75	1	1%	52	70%	11	15%	5	7%	5	7%	0.47
24	31	11	4.33	4.01	-0.32	0.51	0	0%	8	73%	3	27%	0	0%	0	0%	0.35
25	100	52	3.88	2.78	-1.10	-0.47	1	2%	30	58%	18	35%	2	4%	1	2%	0.49
26	78	22	4.17	3.72	-0.45	0.06	0	0%	19	86%	3	14%	0	0%	0	0%	0.31
27	36	15	3.84	3.56	-0.28	0.13	0	0%	12	80%	2	13%	0	0%	1	7%	0.39
2-Yr. Trans	1445	664	4.00	3.58	-0.42	0.13	9	1%	488	73%	124	19%	25	4%	18	3%	0.44
4-Yr. Trans.	1201	523	3.67	3.61	-0.06	-0.01	18	3%	395	76%	81	15%	19	4%	10	2%	0.45
Sophs. & Jrs.	1331	934	3.70	3.76	0.06	0.04	99	11%	688	74%	125	13%	9	1%	13	1%	0.80

1-Percents based on number of transfer students enrolled in 1986 Winter term (Col. 3).
2-Retention Ratio: The proportion of total Fall, 1984 transfers which has graduated or completed the 6th term on clear or probationary status.
*Community colleges with fewer than five transfers in the group. **Less than 1%.

APPENDIX F

Spring, 1986 Grade Point Average and Academic Status of Community College Transfers by Institution of Last Attendance
University of Illinois at Chicago
Fall, 1984 Group

Conf. Inst. Code (1)	No. Fall 1984 Trans. (2)	No. Re-enrolled Spring 1986 (3)	Mean Trans. GPA (4)	Mean 7th Term GPA (5)	Change in Mean GPA (6)	Incr. in Mean GPA Over 6th (7)	Academic Status[1] Grad. No. (8)	Grad. % (9)	Clear No. (10)	Clear % (11)	Pro. No. (12)	Pro. % (13)	Dropped No. (14)	Dropped % (15)	Withdrawn No. (16)	Withdrawn % (17)	Retention Ratio[2] (18)
01*	26	12	3.81	3.19	-0.62	0.07	2	17%	5	42%	4	33%	0	0%	1	8%	0.42
02	56	21	3.76	3.55	-0.21	-0.05	1	5%	14	67%	5	24%	1	0%	0	0%	0.39
03	9	6	3.97	3.26	-0.71	-0.32	0	0%	5	83%	1	17%	0	0%	0	0%	0.67
04	5	2	3.70	2.24	-1.46	-1.19	0	0%	0	0%	1	50%	1	50%	0	0%	0.40
05	18	14	4.28	3.83	-0.45	0.02	0	0%	13	93%	1	7%	0	0%	0	0%	0.78
06	97	47	3.94	3.45	-0.49	-0.14	4	9%	28	60%	13	28%	0	0%	2	4%	0.46
07	45	17	3.79	3.62	-0.17	0.16	1	6%	14	82%	2	12%	0	0%	0	0%	0.42
08	119	38	4.11	3.69	-0.42	0.34	11	29%	20	53%	4	11%	3	8%	0	0%	0.32
09	7	5	3.92	2.85	-1.07	-0.60	0	0%	2	40%	3	60%	0	0%	0	0%	0.71
10	9	1	3.84	4.38	0.54	1.13	0	0%	1	100%	0	0%	0	0%	0	0%	0.11
11	7	3	4.27	3.67	-0.60	-0.28	1	33%	1	33%	0	0%	0	0%	1	33%	0.29
12	77	43	3.90	3.63	-0.27	0.04	3	7%	29	67%	10	23%	1	2%	0	0%	0.56
13	155	67	4.03	3.79	-0.24	0.13	4	6%	49	73%	11	16%	1	1%	2	3%	0.42
14	6	6	3.61	3.43	-0.18	-0.17	0	0%	5	83%	1	17%	0	0%	0	0%	1.00
15	49	24	4.01	3.72	-0.29	0.08	6	25%	14	58%	3	13%	1	4%	0	0%	0.47
16	46	24	4.00	3.85	-0.15	0.29	4	17%	19	79%	0	0%	1	4%	0	0%	0.50
17	136	66	3.98	3.73	-0.25	0.06	10	15%	47	71%	7	11%	1	2%	1	2%	0.49
18	19	7	4.19	3.76	-0.43	-0.37	2	29%	5	71%	0	0%	0	0%	0	0%	0.42
19	11	6	3.93	3.75	-0.18	0.42	1	17%	4	67%	1	17%	0	0%	0	0%	0.55
20	112	37	4.04	3.59	-0.45	-0.18	3	8%	28	76%	3	8%	3	8%	0	0%	0.33
21	24	4	3.73	3.52	-0.21	-0.23	0	0%	4	100%	0	0%	0	0%	0	0%	0.17
22	32	5	4.34	3.46	-0.88	-0.43	0	0%	4	80%	1	20%	0	0%	0	0%	0.16
23	135	67	4.17	3.65	-0.52	0.23	8	12%	40	60%	15	22%	2	3%	2	3%	0.47
24	31	12	4.27	3.66	-0.61	-0.35	1	8%	9	75%	1	8%	1	8%	0	0%	0.35
25	100	47	3.86	3.50	-0.36	0.72	2	4%	29	62%	10	21%	4	9%	2	4%	0.42
26	78	21	4.19	3.87	-0.32	0.15	2	10%	16	76%	3	14%	0	0%	0	0%	0.29
27	36	15	3.89	3.50	-0.39	-0.06	0	0%	11	73%	2	13%	2	13%	0	0%	0.36
2-Yr. Trans.	1445	617	4.00	3.64	-0.36	0.06	66	11%	416	67%	102	17%	22	4%	11	2%	0.42
4-Yr. Trans.	1201	476	3.68	3.77	0.09	0.16	52	11%	332	70%	62	13%	13	3%	17	4%	0.43
Sophs. & Jrs.	1331	830	3.70	3.79	0.09	0.03	262	32%	451	54%	101	12%	9	1%	7	1%	0.80

1-Percents based on number of transfer students enrolled in 1986 Spring term (Col. 3).

2-Retention Ratio: The proportion of total Fall, 1984 transfers which has graduated or completed the 7th term on clear or probationary status.

*Community colleges with fewer than five transfers in the group. **Less than 1%.

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